



2021©

**Effisus product catalogue**

**Excellence in Weatherproofing Solutions**

# TABLE OF CONTENTS

<b>03</b>	<b>Effisus</b>
<b>04</b>	<b>Company profile</b>
<b>06</b>	<b>Portfolio</b>
<b>20</b>	<b>Facade weatherproofing solutions</b>
<b>22</b>	<b>A1-Class Fire rated membranes</b>
<b>25</b>	<b>Rainscreen cladding weatherproofing</b>
<b>26</b>	Rainscreen
<b>27</b>	Breather membranes
<b>34</b>	VCLs - Vapour Control layers
<b>39</b>	Interfaces
<b>46</b>	Penetrations
<b>54</b>	<b>Curtain wall weatherproofing</b>
<b>55</b>	Connections between panels
<b>57</b>	Connections between multiple panels
<b>59</b>	Connections 3D
<b>61</b>	Wall perimeter
<b>66</b>	Penetrations
<b>69</b>	<b>Accessories</b>
<b>70</b>	Rainscreen
<b>71</b>	Breather membranes - Accessories
<b>78</b>	VCLs - Vapour Control layers - Accessories
<b>85</b>	Rainscreen/curtain wall
<b>86</b>	Bonding/Sealing Operations
<b>99</b>	<b>Consulting</b>



# Effisus



# EFFISUS

## Efficient Sustainability

The **Effisus solutions** combine, in an innovative and balanced way, Efficiency and Sustainability, promoting integrated systems with high added value and superior quality.

Effisus provides weatherproofing solutions for the building envelope, maximizing performance, energy efficiency, always supported by our extensive consulting services.

We aim to lead the development and trading of sustainable and efficient solutions for the construction industry, by investing in long-term strategic partnerships with global reference partners.

### Efficiency

- Maximum performance
- “Cutting edge technology”
- Superior quality integrated solutions
- Optimized project-centered solutions
- Guaranteed quality of installation
- Building performance optimization
- Long-term strategic vision

### Sustainability

- Maximum durability
- Use of recycled and/or reusable materials
- Promotion of solutions free of harmful chemicals
- Rational use of natural, technological and financial resources
- Optimization of building’s environmental performance
- Long-term strategic vision

#### Europe

Upway Systems  
R. José Oliveira Mendes 44  
4760-912 Famalicão  
Portugal  
+351 252 085 574  
geral@upwaysystems.com  
www.effisus.com

#### United Kingdom

Effisus UK Ltd  
Unit 21 Battersea Business  
Centre  
99-109 Lavender Hill|London,  
SW11 5QL  
+44 (0) 7340 056 366  
sales.uk@effisus.com  
www.effisus.com

#### United Arab Emirates

EFFISUS Building Materials Trading L.L.C  
P.O. Box: 416654  
Suite 1702, Level 17, Boulevard Plaza Tower 1,  
Sheikh Mohammed Bin Rashid Boulevard  
Downtown Dubai, Dubai, UAE  
+971 4 401 8533  
geral@upwaysystems.com  
www.effisus.com

**EFFISUS**  
Excellence in Weatherproofing



## COMPANY PROFILE

Effisus – Efficient Sustainability it is part of Up-Way Systems. Up-Way Systems develops and markets Effisus Solutions worldwide. The Effisus solutions combine in an innovative and balanced way, Efficiency and Sustainability, promoting integrated systems with high added value and superior quality.

Effisus solutions assure weatherproofing of the building envelope, promoting superior building energy efficiency, always supported by our extensive consulting services.

Part of a global network with more than 8000 weatherproofing experts across USA, Europe, Africa and Middle East, we aim to lead the development and commercialization of sustainable and efficient solutions for the construction industry, investing in long-term strategic partnerships with global reference partners.

The result of such partnerships is the presence of Effisus in different continents, and its participation in globally renown projects, such as the Dublin International Airport and Battersea Development in the United Kingdom, Fountain Views, Skyview and the Museum of the Future in the UAE, or Hudson Yards in the USA.

## OUR MISSION

We strive to provide excellence in weatherproofing solutions for the building construction segment, with a key focus on optimizing to the needs of each project. We aim to leverage strong partnerships in order to achieve efficient sustainability from start to finish. We will eagerly get involved and be proud of what we do.

## OUR VISION

We aim to be the first option for weatherproofing solutions on every targeted, high-end project.



# PORTFOLIO

## Projects

We strive to provide excellence in weatherproofing solutions for the building construction segment, with a key focus on optimizing to the needs of each project. We aim to leverage strong partnerships in order to achieve efficient sustainability from start to finish.

The result of such partnerships is the presence of Effisus in different continents, and its participation in globally renowned projects. Some of our reference projects:

### United Kingdom

| Southbank Place | Stephenson House  
| London Wall Place | Harbour Central | Good Luck Hope  
| Battersea | 9 Millbank & Ergon House

### UAE

| Skyview | Museum of The Future | Dubai Hills Mall | Nakhell Mall  
| Fountain Views | Dubai Creek Harbour

### Portugal

| Jardins do Braço de Prata | Urbo – Business Center  
| NATO'S School of communications and information systems  
| Champalimaud Center for the Unknown | EXEO Office Campus

### Spain

| Diagonal Zero Zero | BBVA Madrid Headquarters  
| Technological building of the Cortizo Group

### France

| Terminal T2B – Charles de Gaulle – Paris  
| Longchamp Racecourse | Stade de Lille

### USA

| Hudson Yards

### Australia

| Canberra Airport

For additional reference projects please visit Effisus website:

[www.effisus.com/en/effisusportfolio/](http://www.effisus.com/en/effisusportfolio/)





## Southbank Place **United Kingdom**



**Installed Solutions:** • Effisus Pre-Fab TrueSeal • Effisus Ecofacade • Effisus Pre-Fab Corners • Effisus Breather+

Located riverside, closed to Westminster and the London Eye, Southbank Place combines a perfect location with architectural quality, celebrating the heritage and history of its surroundings.

Is it set to be one of the most desirable and refined apartment's development in the city.

Public spaces were tough to detail, and the area will be complemented by art and events, becoming an attractive destination for culture lovers.

The development includes retail, restaurants, boutique coffee shops, bars, and at the lower ground level, one private, luxury health and fitness club with an infinity pool, a gym and personal training area.

For this project's facade, and its intricate interfacing details, it was used the Effisus Pre-fab TrueSeal solution – a bespoke solution that assures a perfect sealing of complex details. Effisus Ecofacade Membranes and Effisus Pre-fab Corners, as well as Effisus Breather + Membrane, were used to achieve a complete facade weatherproofing.

## Stephenson House **United Kingdom**



**Installed Solutions:** • Effisus Vapour FR System

This is a mixed-use development, planned by Marks Barfield Architects, that will deliver 17,000 sq m of Grade A office space and create 17 new homes including 6 at London Affordable Rents, retail space and potential healthcare use in a building designed to set new standards for wellbeing.

The purpose of this project is to promote the wellbeing of people, embracing circadian design principles. The building will include gardens and planting areas alongside office spaces, with a "forest floor" to the atrium spilling into the reception of the building.

The gardens between floors and greened roof terraces, will provide moments for informal working, reflection and also interaction and breakout spaces. This will encourage occupiers to walk between floors, moving through the building promoting encounters between team colleagues.

In this project Effisus Vapour FR Class A2-s1,d0 system was used to prevent the condensation risk, improving the airtightness and consequently the energy efficiency of the building. Effisus Vapour FR System includes the Class A1 fire rated Effisus Vapour FR membrane.

## London Wall Place **United Kingdom**



**Installed Solutions:** • Effisus 2Bond DS • Effisus Breather+ • Effisus VapX

London Wall Place is a new development, with more than 500.000m<sup>2</sup>, located in the heart of London, between Moorgate and Barbican. This development is comprised by two commercial buildings and will add a large green area to the city. The largest building has about 300.000m<sup>2</sup> and rises to a height of 12 floors, and the remaining building, with about 12.000m<sup>2</sup>, has 16 floors. Both are encased using steel, concrete and glass, having green roofs as a compliment for the surrounding green areas.

One of this project's unique characteristics is the creation of its steel structures, walkways in height that will link the buildings, whilst also having a path for public access. For this project's facade weatherproofing, three Effisus solutions were used: Effisus VAP (vapour barrier), Effisus Breather+ (breathable membrane) and Effisus 2Bond DS (double-sided solution for sealing between two surfaces). With this, the facade's water tightness is ensured, the ventilation of its various components is possible, and vapour transfers are stopped.

## Harbour Central **United Kingdom**



**Installed Solutions:** • Effisus Breather+

Harbour Central is one of the most recent developments in Canary Wharf, one of London's two financial centers. There will be 5 residential buildings and a leisure complex.

The main building of the development will be the Maine Tower with 42 floors. The upper floors are quite promising, as they will comprise breath-taking panoramic views of London.

In total, Harbour Central will offer approximately 642 private apartments with 1, 2 or 3 bedrooms, including 8 penthouses. This area will also be served by a gymnasium, spa, offices, library and cinema.

The Effisus Breather breathable membrane was the chosen solution for this project, in order to ensure the water tightness of the facade, and, at the same time, to allow ventilation of the facade's components.





## Good Luck Hope **United Kingdom**



**Installed Solutions:** • Effisus Breather FR-B • Effisus Breather FR

Goodluck Hope is an exciting new development located on the historic Leamouth Peninsula, with incredible views along the River Thames, settled by Allies and Morrison architects. Once a busy part of the London Docklands, the area is the perfect location for a new riverside community. When complete Goodluck Hope will have 804 new homes and 2,000 sq m of commercial space. The development will also include new shops, restaurants, bars and outside spaces to eat, shop and relax in. In keeping with area tradition, The Wharf Brewing Company will be setting up shop and opening a brewhouse for visitors to learn more about the process and enjoy an ale or two. The area is known for its creative community with artists, makers and architects creating homes in refurbished shipping containers. Nearby attractions include London's only lighthouse at Trinity Buoy Wharf and the Faraday Project, a tiny museum dedicated to the work of Michael Faraday. In order, to protect the façade elements and ensuring the protection of the building against driving rain and moisture preventing future corrosion, insulation deterioration and mould growth at the same time it increases the building energy efficiency and minimizes the condensation risk, Effisus Breather FR-B membrane and Effisus Breather FR Class A1 membrane were applied.

## Battersea **United Kingdom**



**Installed Solutions:** • Effisus Ecofacade Envelope

The Battersea Power Station has dominated the London skyline since the 1930s. The coal fired power station was designed by one of Britain's great modern architects Sir Giles Gilbert Scott.

It was decommissioned in 1983, when the UK shifted to cleaner technologies of oil, gas and nuclear power for electricity generation. It continued to make cultural appearance in movies and music, growing in affection in the hearts of Londoners. Having lain derelict for three decades, the iconic landmark has now found a new life. The development of the iconic landmark will permanently alter the shape and focus of Central London.

Battersea Power Station's incredible rebirth will see it transformed into one of the most exciting and innovative mixed-use neighborhoods in the world, comprising unique homes designed by internationally renowned architects, set amidst the best shops, restaurants, offices, green space, and spaces for the arts.

A Masterful Plan: The 42-acre masterplan, delivered by globally respected architect, Rafael Viñoly, creates a series of villages, with each intended to have its own distinct character. Together they deliver a fully functioning city district, a global destination. The Effisus Ecofacade Envelope Systems is being applied at this iconic project in order to assure the most efficient facade weathertight system.





## 9 Millbank & Ergon House **United Kingdom**



**Installed Solutions:** • Effisus Breather FR • Effisus Vapour FR

Gracing the banks of the River Thames in the heart of historic Westminster, 9 Millbank is a landmark residential address that captures the very essence of British Luxury and style, developed by Eric Parry Architects.

St Edward's obtained planning permission for the replacement of Ergon house with a new build of 108 apartments and the refurbishment of Grade II listed 9 Millbank from commercial use to residential with 68 apartments.

Ergon House and 9 Millbank was a combined project consisting of two separate buildings. The full demolition of Ergon House was completed using 'Top Down' methodology followed by the partial demolition and soft strip of 9 Millbank, with heritage status, back to the structural core.

Effisus solutions were used in this project development in order to protect the façade building from environmental factors. Effisus Breather FR Class A1 membrane was used to protect the façade elements against moisture, driving rain and wind avoiding corrosion, insulation deterioration and mould growth. Effisus Vapour FR Class A1 membrane was used to prevent the condensation risk, improving the airtightness and consequently the energy efficiency of the building.

## Skyview **UAE**



**Installed Solutions:** • Effisus Ecofacade • Effisus 2Bond GO

The Sky View development is a mixed-use twin-tower complex, with a Hotel, residences and serviced apartments, in downtown Dubai. The new landmark will be known as the figurative gateway to Downtown Dubai. The project was designed by Skidmore, Owings & Merrill, who gave it a distinctive facade and a jaw-dropping "Sky Deck". The deck not only serves as a 3-level link between both towers, but also offers an open space with an infinity pool, restaurant, bar, and more. Both towers have underground links to the Dubai Metro and to The Dubai Mall (one of the world's largest shopping malls). The development has an unique view, with the Burj Khalifa (the world's tallest building) on one side, and the Arabian Gulf on the other. The chosen solution for sealing the towers' facade connections as Effisus Ecofacade, in order to protect the towers against water damage and to improve their energy efficiency.



## Museum of The Future UAE



**Installed Solutions:** • Effisus Ecofacade • Effisus Bonding KF+P

The Museum of the Future located in Dubai, UAE, is the place to be regarding innovation and design trends. After years of temporary exhibitions held at the World Government Summit, the Museum of the Future was thought as the definitive place for showing tomorrow's futuristic tendencies.

The novelty starts in the building itself, as it is built in part using 3D printing technologies, allowing it to change over the years and reflect the latest progresses.

It is expected to attract tourists all over the world with advanced courses and specialized workshops, as well as public talks and events. It is also provided with innovation facilities such as universities, companies and research partners.

Effisus Ecofacade integrated solution was used to ensure water and air tightness of facade's connections.

## Dubai Hills Mall UAE



**Installed Solutions:** • Effisus Ecofacade • Effisus Bond FT

Dubai Hills Mall is the new mega shopping complex coming up in Dubai Hills Estate.

With a total two million square feet, it is composed by two floors, becoming the home of over 650 retail and Food & Beverages outlets including family entertainment offerings, a Cineplex, a hypermarket and parking spaces for over 7,000 vehicles. It will be accessible by a direct link to Dubai Metro, also easily accessible from Downtown Dubai, Emirates Hills and the Dubai Marina.

Effisus Ecofacade Membranes were used to ensure water and air tightness of facade's connections. Effisus Bond FT was used for permanently sealing roofing flashing details on metal roofs.



## Nakheel Mall UAE



**Installed Solutions:** • Effisus Ecofacade • Effisus Bond FT • Effisus Stopper

Nakheel Mall is located at the core of Palm Jumeirah, and is part of Nakheel Malls' AED16 billion expansion, aiming a total retail space to over 17 million square feet.

It has 350 shops, restaurants and leisure attractions across five floors, plus three underground parking levels with 4,000 spaces.

It is set to be Dubai's most premium shopping destination.

On this prestigious project Effisus Bond FT and Effisus Stopper solutions were used to seal roof flashing and penetration details. The Effisus Ecofacade solution was also used to ensure water and air tightness of facade's connections.

## Fountain Views UAE



**Installed Solutions:** • Effisus Ecofacade

The Fountain Views complex is a mixed-use development, comprised of three 60 storey towers, with 786 apartments and a new Address hotel with 194 rooms, in Dubai. The three towers have an astonishing view of the world's tallest building, the Burj Khalifa, and of the world's highest performing fountain, the Dubai Fountain. Moreover, as an integral part of the expansion of The Dubai Mall (one of the world's largest shopping destinations), the Fountain Views are directly linked to it through a metro link. Amenities include a fully equipped health club, swimming pools, a rooftop recreation deck, and more. The development features an unique scalloped facade, with an alternating pattern in the placement of its double-glazed floor-to-ceiling windows and adjacent balconies. The chosen solution for sealing the towers' facade connections was the Effisus Ecofacade membrane. This was done in order to, not only protect the buildings from water damage, but also to improve their energy efficiency.





## Dubai Creek Harbour UAE



Installed Solutions: • Effisus Vapour FR

Dubai Creek is the cornerstone of Dubai's heritage. As a natural harbour, the Creek was historically a busy regional hub for trade, fishing and pearling – it was the original lifeline, where Dubai began its expansion into the city we know today. Preserving both the cultural and environmental aspects of the site is at the forefront of the Dubai Creek Harbour development – integrating a smart, green city, whilst building on cultural heritage.

Located next to Ras Al Khor wildlife sanctuary, a home to an abundance of native flora and fauna, Dubai Creek Harbour aims to bring harmony between responsible city living and creating an awareness of sustainable biodiversity.

Dubai Creek Harbour offers a truly mixed-use development with waterfront eco-resorts, a marina and yacht club, commercial and retail space will all inter-mingle with cultural, leisure and educational amenities, all creating an aspirational mixed-use development for generations to enjoy.

The first fire reaction (A2 Class) facade breather membrane, Effisus Breather FR, is being applied for fire protection and facade weatherproofing.

## Jardins do Braço de Prata Portugal



Installed Solutions: • Effisus Stopper • Effisus 2Bond DS

Jardins do Braço de Prata is an architecture and urban project authored by Renzo Piano, winner of the Pritzker Prize, to be conducted in a privileged location in Lisbon, with a view over the Tagus River, between the neighborhood of Alfama and Parque das Nações.

The project is built on the historic and industrial region of Fábrica do Braço de Prata and has, as its source of inspiration, the memory of the place itself. Conducting a full-fledge requalification of such area, the intent is to turn it into a flagship of the city of Lisbon, proposing a new perspective on its industrial past and tradition. The facades abide by a line of industrial inspiration with tiles.

The Effisus Stopper system and the Effisus 2Bond DS solution were both used for this project seal penetrations in flat roofs, and ensure the watertight properties of joints between different surfaces, respectively.

## Urbo - Business Center **Portugal**



**Installed Solutions:** • Effisus Ecofacade P-Fix

Located in Matosinhos, the Urbo – Business Center has a total construction area of 25.600 square meters, intended to be occupied by services and business units.

This office building, promoted by DST and signed by the architect Nuno Capa, is the product of the picture-perfect symbiosis between a daring design and an avant-garde architecture, a state-of-the-art technology and state-of-the-art energy efficiency solutions. The project depicts much of what the DST group foresees as the future of real estate: the development of ‘turnkey’ solutions, based on an innovative perspective, using differentiated technical and environmental solutions.

The Ecofacade P-Fix solution was used during this work – an innovative solution for sealing fast-fitting facade connections. This solution increases the productivity of the waterproofing work conducted in facade connections, ensuring a definitive seal, resistant to the most aggressive environmental conditions.

## NATO’S School of communications and information systems **Portugal**



**Installed Solutions:** • Effisus Ecofacade SA-Edge • Effisus Bonding KFP

Oeiras was the location chosen for NATO’s new School of Communications and Information Systems, which should start operating in 2019, attracting students from all over the world.

The work was structured on an area of 83.000 m2 by the sea, in front of Carcavelos Beach, with low buildings (maximum three floors) and ample outdoor green spaces.

It is estimated that 400 courses / year can be taught for an estimated universe of 6000 students.

In this project, the innovative solution Effisus SA-Edge, a membrane with self-adhesive bands was used with the help of KFP Adhesive, UV resistant.



## Champalimaud Center for the Unknown **Portugal**



**Installed Solutions:** • Effisus Ecofacade • Effisus Breather B

Champalimaud Centre for the Unknown is a centre for cancer research and treatment designed by the Goan architect Charles Correa, in the Portuguese capital of Lisbon. The building's contemporary architecture, covers an area of 60,000m<sup>2</sup> facing the River Tejo.

The main building houses the Champalimaud Clinical Centre's diagnostic and treatment facilities, with an indoor garden, research laboratories and administrative services, all interlinked to promote discussion and collaboration between scientists, clinicians and other professionals. The Champalimaud Centre for the Unknown is a state-of-the-art facility for science, medicine, technology and is for public use.

Charles Correa, the architect, said: "We tried to create a piece of architecture. Architecture as Sculpture. Architecture as Beauty. Beauty as Therapy."

On this prestigious project Effisus Breather B and Effisus Ecofacade solutions were used to ensure water and air tightness of façade's connections, maximizing energy efficiency, acoustics and protection against condensations.

## EXEO Office Campus **Portugal**



**Installed Solutions:** • Effisus Breather FR • Effisus Vapour FR

EXEO Office Campus is located in Parque das Nações, in Lisbon, a strategic and central position for office buildings with contemporary design and state-of-the-art facilities, leisure and retail spaces, restaurants and green areas, occupying 7000 square metres.

It has three buildings (Aura, Lumnia and Echo) that share an architectural language which dissolves the barriers between indoors and outdoors, in dialogue with the surrounding landscapes, through broad glass facade transparencies and multi-purpose rooftops which bathe the spaces in natural light.

In this project, three Effisus' solutions were used. A1 Fire-Rated Effisus Breather FR Membrane was used for overall protection of facades against moisture, driving rain and wind, while preventing corrosion and insulation deterioration. A1 Fire-Rated Effisus Vapour FR Membrane was the solution for weatherproofing vapour barrier. Finally, Effisus Ecofacade was used to ensure water and air tightness of all facade elements connections, protecting the building from potential water damage, maximising energy efficiency.



## Diagonal Zero Zero **Spain**



**Installed Solutions:** • Effisus Ecofacade • Effisus Easyrepair

The Diagonal Zero Zero, is a skyscraper in Barcelona, Spain. The building has a height of 110m, with 24 floors, and is located in the city's main avenue. The project is an example of high-tech architecture. The perimeter structure is split in two rings: an interior vertical structure and an exterior bracing lattice supporting the structural movements produced by wind or earthquakes. Effisus Ecofacade was the chosen solution for sealing the building's facade connections. Effisus Easyrepair was used to seal the perforations made through the building's windows.

## BBVA Madrid Headquarters **Spain**



**Installed Solutions:** • Effisus Ecofacade

The new BBVA Headquarters is located in the northern outskirts of Madrid and was signed off by the award-winning Pritzker Herzog & de Meuron. This corporate campus, completely based on LEED certification, was built in order to respond to the needs of the Spanish bank to grow in the Spanish capital.

The complex, with 100 thousand square meters of built area, comprises an intricate network of buildings, patios and gardens. The buildings were designed to optimize the use of natural light and provide visualization of green areas within the work environment. The main building is easily recognizable by its geometrically shaped brise-soleil and its rounded silhouette central tower.

The Effisus Ecofacade membranes were used to seal the connections of the glass elements to the facade, guaranteeing water and air tightness, optimizing the energy efficiency of the building.





## Technological building of the Cortizo Group Spain



Installed Solutions: • Effisus Ecofacade SA-Edge

The Cortizo group, a European reference in the production of aluminum profiles for the industry and architecture sectors, has recently expanded its business with the creation of a new production unit for PVC profiles.

The new factory has a total area of 9.000 m<sup>2</sup> and a production capacity of 3.000 kg/hour. Cortizo is now the first Iberian manufacturer of PVC profiles.

The Effisus Ecofacade SA-EDGE membranes were used during this project, for an effective sealing of the facade joints.

## Terminal T2B - Charles de Gaulle (Paris) France



Installed Solutions: • Effisus Ecofacade

Charles de Gaulle Airport is the largest airport in France and one of the busiest airports in the world. It has an impressive extension of about 32,38 square kilometers, across three departments and six communes.

Paris-Charles de Gaulle Airport is under a renovation program which is expected to last until 2024. The aim of the project is to extend and modernize the airport facilities to be able to accommodate a larger number of passengers and increase the air traffic to reach the milestone of 80 million passengers per year.

The terminal 2 complex is split into seven sub-terminals: 2A, 2B, 2C, 2D, 2E, 2F and 2G + the TGV-RER railway station Aéroport Charles de Gaulle 2.

Effisus Ecofacade solution was the integrated solution to ensure water and air tightness of facade's connections in Terminal 2B.

## Longchamp Racecourse **France**



**Installed Solutions:** • Effisus Ecofacade SA-Edge • Effisus Breather+ • Effisus Easyrepair

Originally built in 1857 by the architect Antoine-Nicolas Bailly, the Longchamp racetrack is located on the property of the Abby of Longchamp. It extends throughout more than 57 hectares, between the Seine and the Bois de Boulogne.

Inaugurated in 1857 by Napoleon III, the Longchamp Racecourse is home for horse racing. It has the capacity to host 12.000 spectators, who can enjoy the races and other complementary services.

On this project were used the following solutions: Effisus Ecofacade SA-EDGE membranes for facade connections weatherproofing; Effisus Breather Membranes and Effisus Easyrepair Membranes for effectively sealing building joints.

## Stade de Lille **France**



**Installed Solutions:** • Effisus Ecofacade • Effisus SealExpand XTRA

The Lille Stadium, with over 50 000 seats, was designed in a way so that the communication with the exterior would be possible, using lighting and screens in its facade. The stadium possesses a retractable roof that can open and close in 15 minutes, depending on climate conditions. Also, so that the stadium could have multiple functionalities, half of the pitch sits on top of a hydraulic elevator, that when raised, covers the remaining half of the pitch and exposes another pitch-level area with extra seating spaces.





## Hudson Yards – New York USA



**Installed Solutions:** • Effisus Ecofacade P-Fix

Hudson Yards is the largest private real estate development in the history of the U.S. Hudson Yards will dramatically transform a vast desolate space into New York's next great neighborhood. It will include more than 18 million square feet of commercial and residential space, state-of-the-art office towers, more than 100 shops, and a collection of restaurants. The plan for Hudson Yards is not just about erecting tall and spectacular towers; it is about creating dynamic spaces to be used and enjoyed by residents and workers, and a celebrated destination for visitors from across the City, the region and the world.

Requiring both design excellence and complex project planning and engineering, the new 28-acre neighborhood will be built on two platforms above the Long Island Rail Road rail yard, the country's busiest train.

Effisus Ecofacade P-Fix, a solution with clip-in gaskets for waterproofing facade connections, is being applied on site, improving the buildings' envelope efficiency and sustainability.

## Canberra Airport Australia



**Installed Solutions:** • Effisus Ecofacade

Canberra Airport is a major airport serving Australia's capital city, Canberra, located approximately 8 km from the city centre. The airport serves direct flights to most Australian state capitals and also has international connections to Qatar and Singapore.

In the last years, Canberra Airport announced that has spent \$350 million on a number of infrastructure projects: three new jet aircraft parking positions, two Structured Car Parks (each containing 1,000 parking spaces and an additional 450 spaces in two open-air car parks), a new Southern concourse Terminal and a Western concourse Terminal.

Effisus Ecofacade membrane was integrated at this project to ensure water and air tightness of facade's connections.



# Facade weatherproofing solutions





# EXCELLENCE IN FACADE WEATHERPROOFING

**Breather membranes technology**

**Increased fire protection:**  
A1 Class  
B Class

**Extra UV resistance:**  
Open joints  
Closed joints

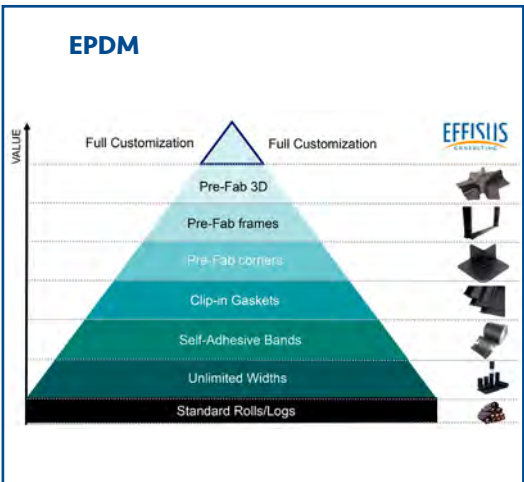
## Unique Portfolio

**Vapour control layers technology**

**Increased fire protection:**  
A1 Class  
B Class

**Mechanical resistance:**  
Reinforced  
Non-reinforced

## Unique Portfolio



## Added Value

**Pre-fabrication technology**

- ▼ Time
- ▼ Human Error
- ▲ Quality
- ▲ Efficiency

## Profit Enhancement

# CONSULTING

- Direct support to all project needs and requests
- An answer to all project needs and requests
- Bespoke solutions: a perfect solution to very specific needs



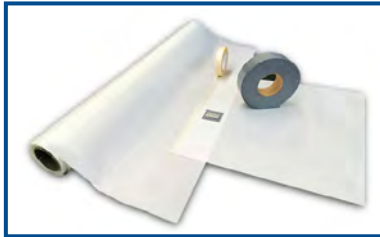


# A1-Class Fire rated membranes



## Effisus Breather FR System

A1 Class Fire rated breathable membrane / A2-s1,d0 Class Fire rated breathable system



Watch video

The Effisus Breather FR waterproofing membrane uses innovative technology, with a fiberglass basis, to obtain a fire classification Class A1 according to EN13501-1 and Class A (or Class 1) according to ASTM E84.

The Effisus Breather FR membrane is part of the Effisus Breather FR System, which includes the Class A1 fire-rated membrane and all the necessary Effisus accessories for the system application (tapes and adhesives). The Effisus Breather FR System obtained the final fire classification as Class A2-s1,d0 according to EN 13501-1, tested as a system.

Designed for global protection of facades against moisture, driving rain and wind avoiding corrosion, insulation deterioration and mould growth on facade elements. It has an exceptional UV resistance and it is suitable for facades with open or closed joints. The existence of a large range of accessories allows its installation on the most demanding project requirements.

### Typical applications:

- Rainscreen cladding
- Cavity and masonry
- Leaf weatherboarding cladding
- Timber frame cladding



### Solution Benefits:

Fire protection – Class A1 as membrane and Class A2-s1,d0 as system according to EN13501-1

Multifunction – Wind and water tight, UV resistant and vapour permeable (diffusion open).

Resistant – High mechanical resistance, with resistance to thermal variations.

Universal – Extremely lightweight, suitable for facades with open or closed joints.

Complete system – Complete range of accessories for any project need.

Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimizes the condensation risk.

### Technical Characteristics

Testing Method	Results
Reaction to Fire - ASTM E84	Class A (or Class 1)
Reaction to Fire - EN 13501-1	Class A1 as Membrane Class A2-s1,d0 as System
Tensile strength MD/XD - EN 12311-1	2015 / 1725 N/50mm
After ageing - tensile strength MD/XD - EN 12311-1	2800 / 2210 N
Tear resistance MD/XD - EN 12310-1	328 / 255 N

### Supplying Information

Code	Designation	Packaging
440316	Effisus Breather FR Membrane 1.50m x 66.67m (100m2) White	Roll

For supply information please contact Up-Way Systems.





## Effisus Vapour FR System

A1 Class Fire rated AVCL membrane / A2-s1,d0 Class Fire rated AVCL system



The Effisus Vapour FR membrane is a high quality and multifunctional weatherproofing air and vapour barrier made of a special fiberglass technology with an aluminum foil, developed to achieve a fire reaction Class A1 according to EN13501- 1. The Effisus Vapour FR membrane is part of the Effisus Vapour FR System, which includes the Class A1 fire-rated membrane and all the necessary Effisus accessories for the system application (tapes and adhesives). The Effisus Vapour FR System obtained the final fire classification as Class A2-s1,d0 according to EN 13501-1, tested as a system.

Works as an air and vapour control layer (AVCL) protecting the building from condensation risk and improving the airtightness and consequently the energy efficiency.

Effisus Vapour FR Membrane can be used in facade rainscreen cladding, curtain walls and many other applications to protect the insulation and building interior from water, heat radiation and moisture transfer. It also works as a fire retardant layer in constructions.

### Typical applications:

- Air and vapour control layer membrane (AVCLs)
- Rainscreen cladding
- Interfaces in ventilated facades
- Interfaces in curtain walls
- Interfaces in traditional facades
- Interfaces in pre-fabricated facades

### Solution Benefits:

- Fire protection – Class A1 as membrane and Class A2-s1,d0 as system according to EN13501-1
- Multifunction – 100% water, vapour and wind tight.
- Resistant – High mechanical resistance and resistance to high and low temperature.
- Complete system – Complete range of accessories for any project need.
- Energy Efficiency – The airtightness of the membrane improves the air quality in the building interior, durability of all the facade components and avoid condensation risk.



### Technical Characteristics

Testing Method	Results
Reaction to Fire - EN 13501-1	Class A1 as Membrane Class A2-s1,d0 as System
Sd value - EN 1931	>1500 m
Vapour resistivity - EN 1931	>7500 MNs/g
Water penetration - EN 1928	W1
Tensile strength (MD / XD) - EN 12311-1	700 / 400 N/50mm

### Supplying Information

Code	Designation	Packaging
140701	Effisus Vapour FR Membrane 1.20m x 50m	Roll
140702	Effisus Vapour FR Membrane 1.50m x 50m	Roll

For supply information please contact Up-Way Systems.



# Rainscreen cladding weatherproofing



# Rainscreen





# Breather membranes



# Breather Membranes

## Product Selector



Effisus Breather B



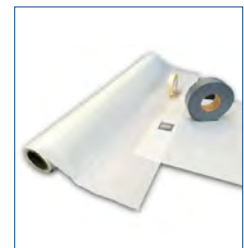
Effisus Breather +



Effisus Breather Non-Closed



Effisus Breather FR-B



Effisus Breather FR

	Approved for closed joints	Approved for open joints	Tensile Strength / Tear resistance	Class E Fire reaction *	Class B-s1, d0 Fire reaction *	Class A1 Fire reaction*
<b>Breather B</b>	•		Regular	•		
<b>Breather +</b>	•		Regular	•		
<b>Breather Non-Closed</b>	•	•	High	•		
<b>Breather FR - B</b>	•	•	High		•	
<b>Breather FR <sup>a)</sup></b>	•	•	Extreme			•

\* Fire reaction classification obtained according to EN 13501-1

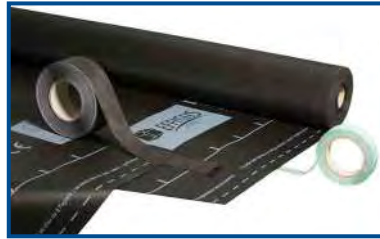
<sup>a)</sup> Fire rated Class A1 as membrane and Fire rated Class A2-s1,d0 as System, including Effisus accessories (tapes and adhesives) tested as a system.

**Note:** For additional technical details please request the product technical data sheet.



## Effisus Breather B Membrane

Breathable membrane for standard applications



Breathable membrane made of a special polypropylene microfiber for moisture management and protection of the facade against driving rain and moisture minimizing condensation risk.

The Effisus Breather B Membrane has optimal ageing resistance and thermal stability properties, protecting the facade and thermal insulation against wind and water. The existence of a large range of accessories allows its installation on the most demanding project requirements.

### Typical applications:

Rainscreen cladding  
Cavity and masonry  
Leaf weatherboarding cladding  
Timber frame cladding

### Solution Benefits:

Multifunction – Permeable to water vapour, wind and watertight.  
Resistant – Resistant to thermal variations and continuous contact with moisture.  
Universal – Complies with the different project requirements.  
Complete system – Complete range of accessories for any project need.  
Easy to install – No need for special tools.

### Technical Characteristics

Testing Method	Results
Resistance to water penetration (EN 1928)	W2
UV exposure	12 weeks
Tensile strength MD/XD (EN 12311-1)	180 / 180 N/50mm
Tear resistance MD/XD (EN 12310-1)	145 / 110 N
Elongation MD/XD (EN 12311)	42 / 60 %

### Supplying Information

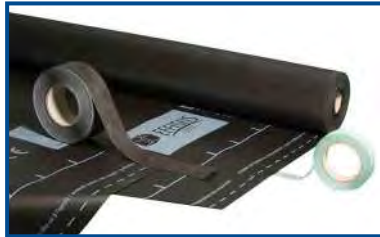
Code	Designation	Packaging
130405	Effisus Breather B Membrane 3.0m x 50m Black	Roll

For supply information please contact Up-Way Systems.



## Effisus Breather+ Membrane

Weatherproofing 3-ply breathable membrane



An innovative 3-ply breathable membrane with monolithic TEEE functional technology, for moisture management and protection against water and wind on facades. It promotes building energy efficiency and minimize condensation risk – highly permeable to water vapour. The Effisus Breather+ Membrane has exceptional ageing resistance and thermal stability properties, protecting the facade, and thermal insulation, against wind, even on the most aggressive environments. The existence of a large range of accessories allows its installation on the most demanding project requirements.

### Typical applications:

- Rainscreen cladding
- Cavity and masonry
- Leaf weatherboarding cladding
- Timber frame cladding

### Solution Benefits:

- Multifunction – Permeable to water vapour. Wind, air and watertight.
- Resistant – Resistant to thermal variations and facade components up to 100% elongation.
- Universal – Complies with the different project requirements.
- Complete system – Complete range of accessories for any project need.
- Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.

### Technical Characteristics

Testing Method	Results
Resistance to water penetration - EN 1928	W1
UV exposure (total exposure)	12 weeks
Tensile strength MD/XD - EN 12311-1	210 / 140 N/50mm
Tear resistance MD/XD - EN 12310-1	190 / 120 N
Elongation MD/XD - EN 12311-1	100 / 100 %

Preliminary data subject to change.

### Supplying Information

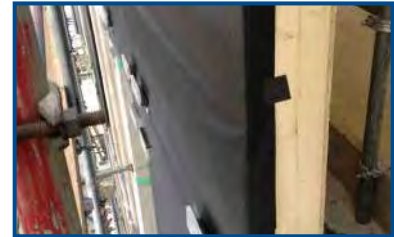
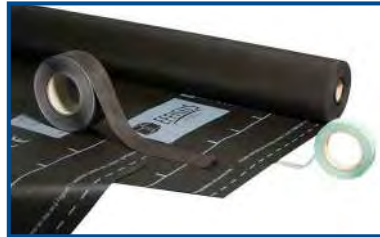
Code	Designation	Packaging
130403	Effisus Breather + Membrane 3.0m x 50m	Roll
130404	Effisus Breather + Membrane 1.5m x 50m	Roll

For supply information please contact Up-Way Systems.



## Effisus Breather Non-Closed Membrane

Weatherproofing Breathable membrane for facades with open joints



The Effisus Breather Non-Closed Membrane has exceptional ageing resistance and thermal stability properties, protecting all the facade components and thermal insulation from corrosion and mould growth even on the most aggressive environments. With superior resistance to UV light, it is suitable for protection of facades with open joints up to 35mm. The existence of a large range of accessories allows its installation on the most demanding project requirements. An innovative breathable membrane with monolithic TEEE functional technology developed for moisture and air management, protection against water and wind on facades. Promotes the building energy efficiency and minimize condensation risk. Highly permeable to water vapour (diffusion open).

### Typical applications:

Rainscreen cladding (open joints up to 35 mm)  
Cavity and masonry  
Leaf weatherboarding cladding  
Timber frame cladding

### Solution Benefits:

Multifunction - Permeable to water vapour. Water, wind and airtight.  
Resistant - High mechanical resistance with resistant to thermal variations allowing facade components and movements up to 90% elongation.  
Universal - Suitable for facades with open or closed joints, in any type of environment.  
Complete system - Complete range of accessories for any project need.  
Energy efficiency - Airtightness of the membrane improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.

### Technical Characteristics

Testing Method	Results
Resistance to water penetration - EN 1928	W1
UV exposure (total exposure)	24 weeks
Cladding - open joints (mm)	35mm or a maximum of 25% total UV exposure
Tensile strength MD/XD - EN 12311-1	290 / 220 N/50mm
Tear resistance MD/XD - EN 12310-1	250 / 240 N
Elongation MD/XD - EN 12311-1	70 / 90 %

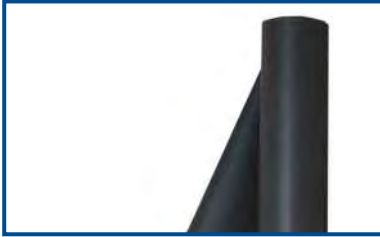
### Supplying Information

Code	Designation	Packaging
130408	Effisus Breather Non-Closed Membrane 1.5m x 50m	Roll
130409	Effisus Breather Non-Closed Membrane 3.0m x 50m	Roll

For supply information please contact Up-Way Systems.

# Effisus Breather FR - B Membrane

B Class Fire rated weatherproofing breathable membrane



The Effisus Breather FR - B Membrane is a fire retardant waterproofing breathable membrane, made of polyester nonwoven with a waterproof special coating. Effisus Breather FR – B Membrane has exceptional UV resistance and is designed for open or closed rainscreen cladding systems, cavity and masonry, leaf weatherboarding panels, tile/slate and timber frame cladding. Suitable for facades with cladding open joints up to 50mm and maximum up to 50% of facade area. Protects the building against driving rain and moisture preventing future corrosion, insulation deterioration and mould growth. Increases the building energy efficiency and minimizes the condensation risk.

### Typical applications:

- Rainscreen cladding (open joints up to 50 mm)
- Cavity and masonry
- Leaf weatherboarding cladding
- Timber frame cladding

### Solution Benefits:

- Fire protection – Fire Class B-s1, d0, according to EN13501-1.
- Resistant - Resistant to thermal variations with high tensile strength.
- Universal – Suitable for facades with open joints up to 50mm and up to 50% of exposed facade area.
- Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.
- Complete System – Complete range of accessories for any project need.

### Technical Characteristics

Testing Method	Results
Reaction to fire – EN 13501-1:2007+A1:2009	Class B-s1,d0
UV exposure (total exposure)	30 weeks
Cladding - open joints (mm)	50mm or a maximum of 50% of total UV exposure
Resistance to water penetration - EN 1928	W1
Tensile strength MD/XD - EN 12311-1	370 / 270 N/50mm
Tear resistance MD/XD - EN 12310-1	150 / 150 N

### Supplying Information

Code	Designation	Packaging
440501	Effisus Breather FR-B Membrane 1.5m x 50 m	Roll

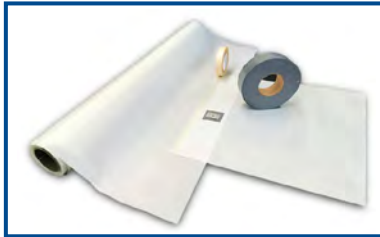
For supply information please contact Up-Way Systems.





## Effisus Breather FR System

A2 Class Fire rated weatherproofing breathable membrane



Watch video

The Effisus Breather FR waterproofing membrane uses an innovative technology, with a fiberglass basis, to obtain a fire resistant membrane, Class A2-s1,d0 based on EN 13501-1:2007+A1:2009 and Class A (or Class 1) according to ASTM E84. The final fire classification was obtained for Effisus Breather FR with Effisus accessories (tapes and adhesives), tested as a system. Designed for global protection of facades against moisture, driving rain and wind avoiding corrosion, insulation deterioration and mould growth on facade elements.

It has an exceptional UV resistance. The existence of a large range of accessories allows its installation on the most demanding project

### Typical applications:

- Rainscreen cladding
- Cavity and masonry
- Leaf weatherboarding cladding
- Timber frame cladding



### Solution Benefits:

- Fire protection – Class A2-s1,d0 according to EN 13501-1, tested with Effisus accessories.
- Multifunction – Wind and water tight, UV resistant and vapour permeable (diffusion open).
- Resistant – High mechanical resistance, with resistance to thermal variations.
- Universal – Extremely lightweight, suitable for facades with open or closed joints.
- Complete system – Complete range of accessories for any project need.
- Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimizes the condensation risk.

### Technical Characteristics

Testing Method	Results
Reaction to Fire - ASTM E84	Class A (or Class 1)
Reaction to Fire - EN 13501-1:2007+A1:2009	Class A2-s1,d0
Tensile strength MD/XD - EN 12311-1	2015 / 1725 N/50mm
After ageing - tensile strength MD/XD - EN 12311-1	2800 / 2210 N
Tear resistance MD/XD - EN 12310-1	328 / 255 N

### Supplying Information

Code	Designation	Packaging
440316	Effisus Breather FR Membrane 1.50m x 66.67m (100m2) White	Roll

For supply information please contact Up-Way Systems.





# VCLs Vapour Control Layers



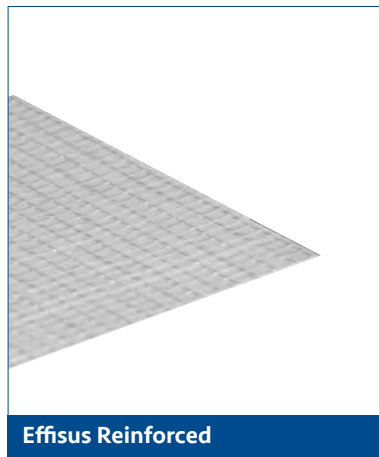
# VCLs

## Vapour Control Layers

### Product Selector



Effisus Vapour FR



Effisus Reinforced



Effisus VapX

	Vapour Resistance (Vapour Resistivity)	Tensile Strength	Class E Fire reaction *	Class A1 Fire reaction *
Vap X	High	Regular	●	
Vap Reinforced	High	High	●	
Vapour FR <sup>a)</sup>	Extreme	Extreme		●

\* Fire reaction classification obtained according to EN 13501-1

<sup>a)</sup> Fire rated Class A1 as membrane and Fire rated Class A2-s1,d0 as System, including Effisus accessories (tapes and adhesives) tested as a system.

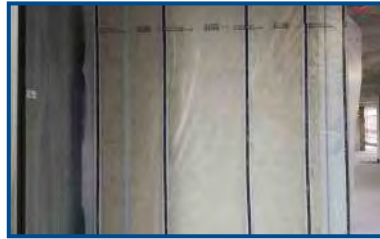
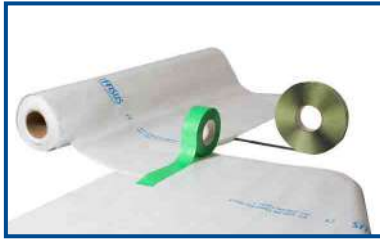
**Note:** For additional technical details please request the product technical data sheet.





## Effisus VapX Membrane

### 1-layer vapour control layer (VCL)



Effisus VapX Membrane is a one-ply vapour control layer (VCL) designed for facades, in order to build an airtight and vapour barrier avoiding condensation risk and improves the building airtightness.

The carefully selected raw material assures superior ageing resistance, dimensional stability, length and crosswise as well as high rip resistance. The sd value of 100m effectively prevents the building of condensations.

#### Typical applications:

Vapour Control Layer membrane (VCL)  
Rainscreen cladding back wall  
Roofs

#### Solution Benefits:

Resistant – Resistant to movement, thermal variations and contact with moisture.  
Universal – Complies with the different project requirements.  
Complete system – Complete range of accessories for any project need.  
Easy to install – No need for special tools.

#### Technical Characteristics

Testing Method	Results
Sd value - EN 1931	100m
Vapour resistivity - EN 1931	500 MNs/g
Resistance to water penetration - EN 1928	W1
Tensile strength MD/XD - EN 12311-1	140 / 135 N/50mm
Tear resistance MD/XD - EN 12310-1	100 / 100 N
Elongation (MD/XD) - EN 12311-1	300 / 500 %

#### Supplying Information

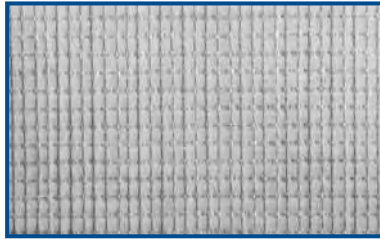
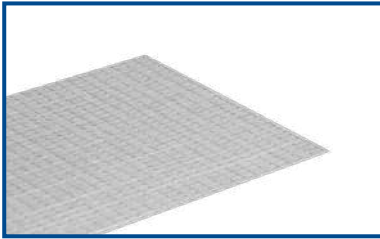
Code	Designation	Packaging
140401	Effisus VapX Membrane 4000mm x 25m	Roll

For supply information please contact Up-Way Systems.



## Effisus Vapour FR Reinforced 170

1-layer vapour control layer (VCL)



Effisus Vapour FR Reinforced 170 is a one-ply reinforced vapour control layer (VCL) for roofs, facades, dry and general construction indoors in order to build an airtight barrier for the protection of construction according to EN 13984. The carefully selected raw material assures superior ageing resistance, dimensional stability, length and crosswise as well as high rip resistance. The vapour resistance ( $S_d > 80m$ ) effectively prevents the building of condensate in the areas of insulated construction.

### Typical applications:

Rainscreen cladding back wall  
Roofs  
Vapour Control Layer membrane (VCL)

### Solution Benefits:

Resistant – Resistant to movement, thermal variations and contact with moisture.  
Universal – Complies with the different project requirements.  
Complete system – Complete range of accessories for any project need.  
Easy to install – No need for special tools.

### Technical Characteristics

Testing Method	Results
Sd value (EN 1931)	80 – 100 m
Vapour resistivity (EN 1931)	400 - 500 MNs/g
Resistance to water penetration (EN 1928)	W1
Tensile strength MD/XD (EN 12311-1)	280 / 300 N/50mm
Tear resistance MD/XD (EN 12310-1)	100 / 100 N

### Supplying Information

For supplying information, please contact Up-Way Systems.



## Effisus Vapour FR System

A2 Class Fire rated weatherproofing vapour membrane



The Effisus Vapour FR is a high quality and multifunctional weatherproofing vapour barrier made of a special fiberglass technology with an aluminum foil, developed to achieve a fire reaction Class A2-s1,d0 according to EN13501-1:2007+A1:2009. The final fire classification was obtained for Effisus Vapour FR with Effisus accessories (tapes and adhesives) tested as a system.

Works as a vapour control layer (VCL) protecting the building from condensation risk and improving the airtightness and consequently the energy efficiency.

Effisus Vapour FR Membrane can be used in facade rainscreen cladding, curtain walls and many other applications to protect the insulation and building interior from water, heat radiation and moisture transfer. It also works as a fire retardant layer in constructions.

### Typical applications:

- Vapour Control Layer Membrane (VCL)
- Rainscreen cladding
- Interfaces in ventilated facades
- Interfaces in curtain walls
- Interfaces in traditional facades
- Interfaces in pre-fabricated facades

### Solution Benefits:

- Fire protection – Class A2-s1, d0 according to EN13501-1:2007 + A1:2009, tested with Effisus accessories.
- Multifunction – 100% water, vapour and wind tight.
- Resistant – High mechanical resistance and resistance to high and low temperature.
- Complete system – Complete range of accessories for any project need.
- Energy Efficiency – The airtightness of the membrane improves the air quality in the building interior, durability of all the facade components and avoid condensation risk.

**CLASS A2-s1, d0 System**

- ✓ Membrane Class A1
- ✓ Fastening Accessories
- ✓ Overlaps Accessories
- ✓ Penetrations

Tested & Approved



### Technical Characteristics

Testing Method	Results
Reaction to fire - EN13501-1:2007 +A1: 2009	Class A2-s1, d0
Sd value - EN 1931	>1500 m
Vapour resistivity - EN 1931	>7500 MNs/g
Water penetration - EN 1928	W1
Tensile strength (MD / XD) - EN 12311-1	700 / 400 N/50mm

### Supplying Information

Code	Designation	Packaging
140701	Effisus Vapour FR Membrane 1.20m x 50m	Roll
140702	Effisus Vapour FR Membrane 1.50m x 50m	Roll

For supply information please contact Up-Way Systems.





# Interfaces



## Effisus Ecofacade Membrane

Facade connections weatherproofing solution



Effisus Ecofacade is a system for weatherproofing facades. The system's high performance and added value are guaranteed, not only due to its temperature range resistance and high UV resistance, but also to its possibility of full customization, according to each specific project. Therefore, the system's speed and easier application are increased, the possibility of errors during installation is reduced and waste materials are minimized.

The system protects building's facade interfaces, and consequently the action of atmospheric agents and their consequences. It ensures both water, vapour and air tightness, whilst also maximizing building energy efficiency and avoiding condensation risk.

### Typical applications:

- Interfaces in ventilated facades
- Interfaces in curtain walls
- Interfaces in pre-fabricated facades

### Solution Benefits:

- Robust – High life-expectancy, 100% waterproof and UV resistant. Vapour and airtight.
- Universal – Customizable dimensions and unlimited widths.
- Energy efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.
- Envelope System – Full complete facade weatherproofing system (Effisus Breathers, Effisus VCL's and Effisus accessories).

### Technical Characteristics

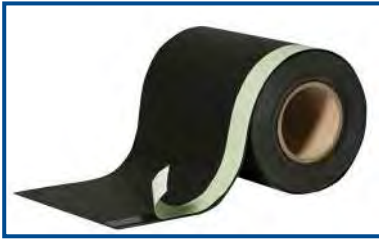
Testing Method	Results
Resistance to water penetration (EN 1928)	W1
Resistance to air passage (EN12114)	$\leq 0.1 \text{ m}^3/(\text{m}^2 \times \text{h} \times 50 \text{ Pa})$
Tensile strength (EN 12311-1)	$\geq 260 \text{ N}/50\text{mm}$
Tear resistance (EN 12310-1)	$\geq 80 \text{ N}$
Elongation (EN12311-1)	$\geq 400\%$
Sd value (EN 1931)	$\geq 21\text{m}$

### Supplying Information

Code	Designation	Packaging
130002	Effisus Ecofacade Membrane 0.75mm; 150mm x 20m	Roll
130003	Effisus Ecofacade Membrane 0.75mm; 200mm x 20m	Roll
130005	Effisus Ecofacade Membrane 0.75mm; 300mm x 20m	Roll

Upon request is possible to deliver Effisus Ecofacade Membrane unlimited widths.  
For supply information please contact Up-Way Systems.





Effisus Ecofacade SA-Edge is the innovative time-saving system for weatherproofing facade interfaces. The system's high performance and added value are guaranteed, not only due to its expectable durability of over 50 years, but even more to its self-adhesive bands, which can be of any number and configuration, according to each project's needs. Through the extinction of the need for adhesive pastes, applications ease and speed are increased, wastes are eliminated and budget predictability is more effective. Possibility of human error during installation is widely reduced.

#### Typical applications:

Interfaces in ventilated facades  
Interfaces in curtain walls  
Interfaces in pre-fabricated facades

#### Solution Benefits:

Cost Savings – Less waste (adhesives and sealant). Additionally provides less stock and transportation costs.  
Robust – High life expectancy and 100% waterproof and UV resistant. Vapour and airtight.  
Predictability – Less human error, more productivity and higher quality.  
Bespoke solution – Customizable integrated self-adhesives bands.  
Energy efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.  
Envelope System – Full complete facade weatherproofing system (Effisus Breathers, Effisus VCL's and Effisus accessories).

#### Technical Characteristics

Testing Method	Results
Resistance to water passage - EN 1928	W1
Resistance to air passage - EN12114	$\leq 0.1 \text{ m}^3/(\text{m}^2 \times \text{h} \times 50 \text{ Pa})$
Tensile strength - EN 12311-1	$\geq 260 \text{ N}/50\text{mm}$
Elongation - EN 12311-1	$\geq 400 \%$
Tear resistance - EN 12310-1	$\geq 80 \text{ N}$
Sd value - EN 1931	$\geq 21\text{m}$

#### Supplying Information

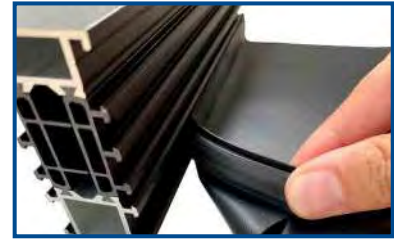
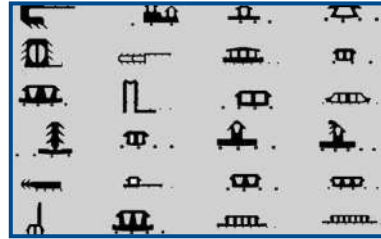
Code	Designation	Packaging
131102	Effisus Ecofacade 1 SA-Edges Membrane 20mm / 0.60mm; 150mm x 20m	Roll
131103	Effisus Ecofacade 1 SA-Edges Membrane 40mm / 0.60mm; 200mm x 20m	Roll

Upon request is possible to deliver Effisus Ecofacade Membrane unlimited widths.  
For supplying information please contact Up-Way Systems.



## Effisus Ecofacade P-Fix

Facade connections weatherproofing solution with clip-in gaskets



Effisus Ecofacade P-Fix is the leading system for weatherproofing facade interfaces.

The system's efficiency and added-value are guaranteed, not only due to its service temperatures or durability, but especially due to its fast-connect vulcanized gaskets into aluminum or PVC groove. These can be customized to fit any special groove, thus providing an unprecedented speed with less human error, ease of application, in junction with unrivalled protection and durability. Allows maintenance and complete visual inspection during the building life span.

### Typical applications:

- Interfaces in ventilated facades
- Interfaces in curtain walls
- Interfaces in pre-fabricated facades

### Solution Benefits:

- Robust – High life expectancy, 100% waterproof and UV resistant. Vapour and airtight.
- Cost Savings – Less waste (sealants and adhesives). Additionally provides less stock and transportation costs.
- Universal – Customizable clip-in gaskets.
- Predictability – Less human error, more productivity and high quality.
- Energy efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.
- Envelope system – Full complete facade weatherproofing system with Effisus Breather, Effisus VCL's and Effisus Accessories.

### Technical Characteristics

Testing Method	Results
Resistance to water passage (EN 1928 B)	W1
Resistance to air passage (EN12114)	≤ 0.1 m3/(m2xhx50 Pa)
Tensile strength (EN 12311-1)	≥ 260 N/50mm
Elongation (EN 12311-1)	≥ 400 %
Tear resistance (EN 12310-1)	≥ 80 N
Sd value (EN 1931)	≥ 21m

### Supplying Information

Code	Designation	Packaging
130101	Effisus Ecofacade P-Fix Membrane 0.75mm; 100mm x 20m	Roll
130102	Effisus Ecofacade P-Fix Membrane 0.75mm; 150mm x 20m	Roll

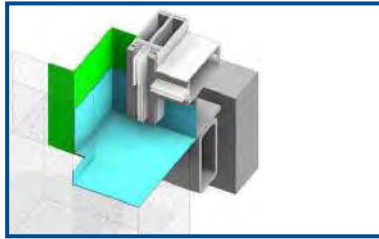
Upon request is possible to deliver Effisus Ecofacade Membrane unlimited widths.

For supply information please contact Up-Way Systems.



## Effsus Ecofacade Pre-Fab Corners

Pre-fabricated corners for facade connections weatherproofing



Effsus Ecofacade Pre-fab Corners are the ultimate supplement for a faster and error-free installation. Windows frame corners are the hardest points to seal in a facade connection due to difficult corners shapes, dimensions and sometimes limited space available to execute an efficient sealing. Effsus Pre-fab Corners are custom-made to the needs of each situation, which not only enormously increases speed of application, but also improves the whole system's sealing efficiency. Through this, the most vulnerable areas are transformed into the safest ones.

Effsus Ecofacade Pre-fab Corners, together with the Ecofacade System, provide the ultimate, efficient and sustainable facade weatherproofing protection. Not only do they increase the speed of a critical, but time-consuming job but also, immensely, reduce the amount of wastes and boost service life-time.

### Typical applications:

Interfaces in ventilated facades  
 Interfaces in curtain walls  
 Interfaces in pre-fabricated facades

### Solution Benefits:

Predictability – Less human error, more productivity, high quality.  
 Robust – High life-expectancy, 100% waterproof and UV resistant. Vapour and airtight.  
 Universal – Customizable dimensions and configurations.  
 Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.  
 System Envelope – Full complete facade weatherproofing system with Effsus Breathers, Effsus VCL's and Effsus accessories.

### Technical Characteristics

Testing Method	Results
Resistance to water penetration (EN 1928)	W1
Resistance to air passage (EN12114)	$\leq 0.1 \text{ m}^3/(\text{m}^2 \times \text{hx}50 \text{ Pa})$
Tensile strength (EN 12311-1)	$\geq 350 - 450 \text{ N}/50\text{mm}$
Elongation (EN 12311-1)	$\geq 450 \%$
Tear resistance (EN 12310-1)	$\geq 90 \text{ N}$
Sd value (EN 1931)	$\geq 21 \text{ m}$

### Supplying Information

Code	Designation	Packaging
132669	Effsus Ecofacade Inner Corner AE100X100	Unit
132625	Effsus Ecofacade Outer Corner AE100X100	Unit

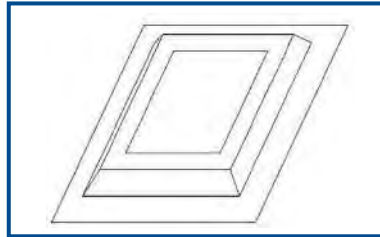
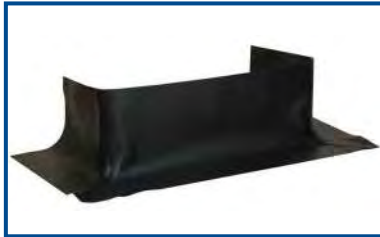
Upon request is possible to deliver completely bespoke corners.

For supplying information please contact Up-Way Systems.



## Effisus Ecofacade Pre-Fab Frames

Pre-fabricated frames for window weatherproofing



Effisus Ecofacade Pre-fab Frames are the outperforming system for a seamless facade to-window connection sealing job. Due to their edges and shape, sealing window frames have always required a large amount of time, wastes and sealants, but not anymore. Since the frames are customized and prefabricated according to the windows frames, using Ecofacade Membrane, a time-saving, error-free, long-lasting installation is assured. With Effisus Ecofacade Pre-fab Frames, weatherproofing windows becomes an efficient and sustainable job. Not only is time saved, but also, the probability of installation errors is eliminated, needed special labor is reduced and performance is better assured than ever.

### Typical applications:

- Connections in ventilated facades
- Connections in curtain walls
- Connections in pre-fabricated facades
- Sustainable construction projects

### Solution Benefits:

- Cost savings – No overlaps required. Less waste of sealant and adhesive.
- Robust – High life expectancy, 100% waterproof and UV resistant, vapour tight.
- Pre-fabrication – Excellent for off-site construction.
- Predictability – Less human error, more productivity and high quality.
- Energy efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.
- Universal – Customizable dimensions and configurations.

### Technical Characteristics

Testing Method	Results
Resistance to water penetration - EN 1928	W1
Resistance to air passage - EN12114	$\leq 0.1 \text{ m}^3/(\text{m}^2 \times \text{h} \times 50 \text{ Pa})$
Tensile strength - EN 12311-1	$\geq 350-450 \text{ N}/50\text{mm}$
Tear resistance - EN 12310-1	$\geq 90 \text{ N}$
Elongation - EN 12311-1	$\geq 450\%$
Sd value - EN 1931	$\geq 21 \text{ m}$

Upon request is possible to deliver completely bespoke frames.

### Supplying Information

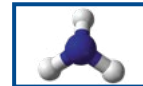
Please contact Effisus for supplying information as this will vary depending on sizes and configurations.





[Watch Video](#)

The self-adhesive Effsus Easyrepair Membrane is the ideal solution for sealing leaks on virtually all types of roofs and facades. It creates a waterproof, moisture, and airtight barrier, with no additional sealing required.



### Active sealants technology

The Effsus Easyrepair Membrane uses an innovative technology with active sealants. This technology uses sealants that don't have double connections between their carbon atoms, which results in an extremely stable molecular structure - resistant to oxygen, ozone and extreme and continuous temperature variations. Through the encapsulation of a special primer, the adhesive "melts" on the surface to which it is applied. This originates an instant bonding, to most known materials used in construction.

### Excellent Adhesiveness to the Following Materials



Polycarbonate



Glass



Metal



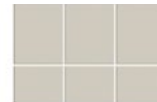
Natural stone



Concrete



Plaster



Ceramic

### Typical Applications

- Metallic coatings
- Flashing details
- Polycarbonate coatings
- Skylights

### Solution Benefits

- Resistant – Waterproof, UV resistant and flexible to -56°C.
- Universal – Compatible with different construction materials.
- Durable – Over 20 years of service life-expectancy.
- Flexible – Complies with the different installation requirements.
- Easy to install – Easy to handle and with no need for accessories.

### Technical Characteristics

Testing method	Value
Adhesion	9 kg
Temperature flexibility range	-56°C a +93°C
Elongation	>700% ± 100
Tensile break	31 (kPa)

### Supplying Information

Code	Designation	Packaging
160202	Effsus Easyrepair Gray Membrane 0.90mm; 10.0cm x 15.25m	Roll
160203	Effsus Easyrepair Gray Membrane 0.90mm; 15.2cm x 15.25m	Roll

Other dimensions / options available upon request.

## Effisus SealExpand XTRA

### Facade Joint Sealing Solution



The Effisus SealExpand XTRA tape is the efficient solution for sealing joints and perimeters in new buildings or renovation works. The tape's properties give it an excellent expandability and permanent elasticity, which enable it to absorb movement during the different phases of building's lifecycle.

Effisus SealExpand XTRA Tape is resistant to UV radiation and rainwater with pressures up to 1000Pa. There is no need for additional coatings or sealants. Effisus SealExpand XTRA has excellent thermal and acoustic insulation properties, improving the building's energy efficiency.

#### Typical applications:

- Prefabricated construction in concrete or other materials
- Sealing perimeters or frames (windows/doors)
- Cladding panels joints
- Curtain walls interfaces

#### Solution Benefits:

- Robust - 100% waterproof up to 1000Pa and UV resistant.
- Universal - Variants for different needs.
- Durable - High life expectancy.
- Flexible - Adapts to on-site demands.
- Easy to apply - Simple to handle and no need for accessories.

#### Technical Characteristics

Testing Method	Results
Air tightness - DIN EN 12114	$a \leq 0.1 \text{ m}^3 / (\text{h.m.}(\text{daPa})\text{n})$
Driving rain resistance - DIN EN 1027	$\geq 1000 \text{ Pa}$
Temperature resistance - DIN 18542 BG1	$-30^\circ\text{C to } +90^\circ\text{C}$
Water vapour permeability, Sd-value - EN ISO 12572	$< 0.5\text{m}$
Joint sound absorption, IFT regulations - SC-01/2 2002-09	$\text{RST}_{\text{w,max}} = 59 \text{ dB}$
Thermal conductivity - DIN 52612	$10, \text{tr} = 0,0540 \text{ W}/(\text{m.K})$

#### Supplying Information

Code	Designation	Packaging
100631	Effisus SealExpand Xtra600 Grey 15 / 1-4 x 10m	Roll
100633	Effisus SealExpand Xtra600 Grey 15 / 2-6 x 8m	Roll

For supply information please contact Up-Way Systems.

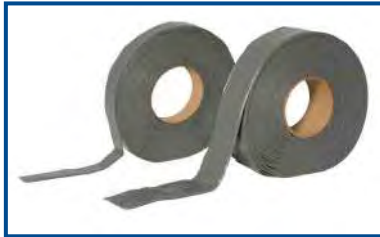


# Penetrations



## Effisus 2Bond DS

Permanent solution for sealing between two surfaces or nail/screw penetrations



Watch video

Effisus 2Bond DS is the efficient solution for sealing between two surfaces, of the same or different materials, and sealing any kind of nail/screw penetration.

The Effisus 2Bond DS tape is a double side adhesive tape, based on an advanced technology with active adhesive sealants that ensure excellent adhesion to the most diverse materials: polycarbonate, glass, metals, natural stone, concrete, plaster or ceramic.

It is a part of the Effisus Breather FR and Effisus Vapour FR system (Class A2-s1,d0).

### Typical applications:

- Sealing penetrations on mechanical fixations
- Sealing fixing points on screw plates
- Sealing fixing points on lifelines
- Sealing fixing points of facade or roof frameworks
- Sealing between metallic profiles

### Solution Benefits:

- Robust – Waterproof and flexible from -56°C up to +93°C.
- Universal – Compatible with polycarbonate, glass, metals, stone, concrete, plaster and ceramic.
- Durable – Life expectancy of over 20 years.
- Flexible – Adapts to the needs of different construction situations.
- Ease of application – Simple to use and with no need for extra accessories.

### Technical Characteristics

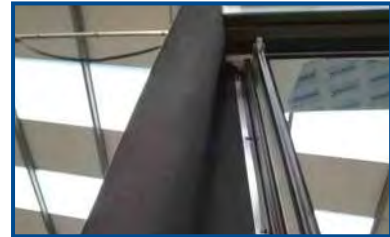
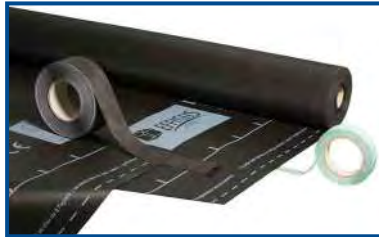
Testing Method	Results
Adhesion strength	8.64 kg / in width
Elongation	≥ 500% ± 100
Low temperature flexibility	12.7mm radius at -34.4°C
Temperature flexibility range	-56°C to +93°C
Water vapour test - ASTM 96B	0.005grs/254cm <sup>2</sup> /24hrs/37°C

### Supplying Information

Code	Designation	Packaging
250808	Effisus 2Bond DS 1.54mm; 2.5cm x 15.25m	Roll
250801	Effisus 2Bond DS 1.54mm; 5.0cm x 15.25m	Roll

For supply information please contact Up-Way Systems.





Effisus Adjoin TI Tape is a flexible multipurpose adhesive tape for airtight bonds indoor and outdoors, with a waterproof solid adhesive (acrylate based - free of solvents or softeners).

Efficient solution for sealing two surfaces, of the same or different materials and sealing cladding fixing brackets.

Effisus Adjoin TI Tape is used to form a secure and permanent seal of overlaps between vapour barriers and/or breathable membranes, roof underlays and wall membranes, and joints between such membranes and smooth, non-mineral surfaces.

Effisus Adjoin TI Tape is also suitable for sealing butt joints between wood-based, cement, or silicate calcium boards.

Offers high protection against piercing in corners due to its high elasticity.

#### Typical applications:

Sealing cladding fixing brackets

Sealing steel beams penetrations

Secure seal of overlaps between vapour barriers

Secure seal of overlaps between breather membranes

Secure sealing of connections between Effisus Ecofacade and Breather or VCL membrane

Secure seal of facade service penetrations

#### Solution Benefits:

Powerful - Airtight and waterproof with superior bonding strength.

Resistant - Resistant to movement, thermal variations, and contact with moisture.

Universal - Compatible to all conventional building smooth surfaces.

Flexible - Complies with the different installation requirements.

Easy to install- With release paper and easy to tear by hand.

Approved - Approved accessory of the Effisus Ecofacade Envelope System.

#### Technical Characteristics

Testing Method	Results
Temperature resistance	-40 °C to 90°C
Life expectancy	+ 60 years
UV exposure	6 months

#### Supplying Information

Code	Designation	Packaging
250501	Effisus Adjoin TI Tape 60mm x 30m	Roll

For supply information please contact Up-Way Systems.



## Effisus Bond FT

The solution for sealing 3D facade penetrations



Watch video

Effisus Bond FT Tape is the ideal solution for permanently sealing of facade penetrations and facade/roof flashing details of any type, saving time and labour - with a superior performance that will last as long as your facade/roof. Its unique elongation capacity and flexibility guarantees that it can be formed to fit irregular shapes and surfaces, with no need for mechanical fastening, torch or extra adhesives.

The Effisus Bond FT Tape consists of an uncured EPDM membrane that has been laminated to an EPDM based tape adhesive, integrating a proven peel & stick technology. After cured the tape is extremely resistant to moisture, UV's, temperatures changes or structural movements.

### Typical applications:

- Sealing facade penetrations
- General purpose flashing sealing
- Sealing skylights
- Sealing square ducts
- Sealing large round ducts penetrations
- Sealing parapet walls

### Solution Benefits:

- Universal – Forms itself to fit any irregular shape or surface.
- Resistant – High elongation capacity, handles expansion and structural movements.
- Durable – Resistant to high temperature, UV's and moisture.
- Flexible – Complies with the different project requirements.
- Easy to install – Easy to handle materials and common use accessories.

### Technical Characteristics

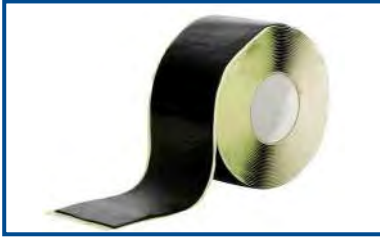
Testing Method	Results
Base Polymer (flashing & tape) – FTIR	EPDM
Tensile strength (uncured) – ASTM D 412 Die C	250 psi max.
Elongation (uncured) - ASTM D 412 Die C	600% min.
Peel strength - ASTM D 413	10 pli @ 21°C
Shear strength - ASTM D 816	20 psi @ 21°C

### Supplying Information

Code	Designation	Packaging
251205	Effisus Bond FT 15.25cm x 15m	Roll
251204	Effisus Bond FT 30.50cm x 15m	Roll

For supply information please contact Up-Way Systems.





The Effisus Bond GF tape is the efficient and sustainable solution for sealing details on surfaces with irregular shapes and configurations. Effisus Bond GF is an adhesive tape, with exceptional adhesion properties. The adhesive is kept unaltered by a PE transparent film, and the tape is highly elastic and extensible (longitudinally and transversally). It has perfect adherence to Effisus VCL, Effisus Breather membranes and Effisus Ecofacade Membrane.

Due to its superior flexibility, the Effisus Bond GF tape is ideal for sealing details on locations with irregular geometric shapes, since it adapts to the detail's configuration and guarantees a permanent and elastic seal.

**Typical applications:**

- Sealing cladding fixing brackets
- Sealing details with irregular shapes of windows aluminium/PVC profiles
- Sealing membrane corners or other difficult sealing points (weak points)
- Sealing general detail repairs

**Solution Benefits:**

- Robust – Waterproof and permanently elastic and flexible. Elongation capacity of up to 300%.
- Universal – Different widths for various situations.
- Durable – High life-expectancy.
- Flexible – Adapts to the different construction needs.
- Easy to apply – Simple to use material and with no need for extra accessories.

**Technical Characteristics**

Testing Method	Results
Elongation	> 300%
Adhesion	> 15 N / 25mm
Temperature resistance	- 30 to +80°C

**Supplying Information**

Code	Designation	Packaging
251701	Effisus Bond GF 2.0mm; 50mm x 10m	Roll
251702	Effisus Bond GF 2.0mm; 80mm x 10m	Roll

For supply information please contact Up-Way Systems.



## Effisus Stopper

Penetrations sealing solution for facades



Watch video

Effisus Stopper is a combination of Effisus Multishapper with the Effisus Stopper M-1 and Effisus Stopper 1-P sealants for sealing roof penetrations of any size or shape, without the need of mechanical fixing, torch or metal flashing. It can be used on any surface such as TPO, EPDM, granulated modified bitumen, asphalt membranes, concrete and metal. With a proper installation, the system forms a durable, waterproof rubber seal around penetrations of any size. The final solution is environmentally friendly as the sealants do not contain VOC's.

Effisus Multishapper can be easily shaped without requiring special tools to obtain a curb with any desired geometry. The final curb is closed easily in one step with a metal locking clip and is intended to be filled with liquid or semi-liquid materials. Resistant to ice, stagnant water and ozone stable.

### Typical applications:

In combination with the Effisus Stopper 1-P and M-1 Sealants:

- Sealing roofing penetrations on flat roofs
- Sealing roofing penetrations on slope roofs



### Solution Benefits:

Flexible design – adaptable to any size or configuration.

Easy to install – installation in under 10 minutes.

Resistant – waterproof, UV and ozone stable, resistant to ice and standing water.

Universal – compatible with all membranes and materials (TPO, EPDM, Bitumen, Concrete).

Sustainable – environmentally friendly.

### Technical Characteristics

Effisus Stopper is composed of:

**Effisus Stopper 1-P Sealant** – a moisture curing, pourable sealant suitable for application in damp, dry, or cold climates.

**Effisus Stopper M-1 Sealant** – a moisture cure, non-slump multi-purpose structural adhesive/sealant, which forms a tough elastic waterproof seal on most roofing materials

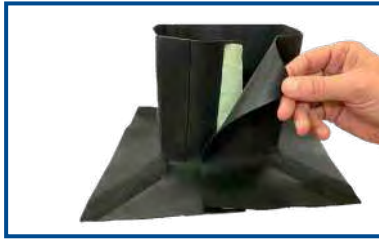
**Effisus Multishapper** – a stretchable, flexible and conformable, L-shaped curb, based on polymer rubber with interior aluminum reinforcement.

### Supplying Information

Code	Designation	Packaging
200801	Kit Effisus Multishapper - 1ml	Kit 1lm (3 clips and installation manual included)
200802	Kit Effisus Multishapper - 3ml	Kit 3lm (9 clips and installation manual included)
200803	Kit Effisus Multishapper - 5ml	Kit 5lm (15 clips and installation manual included)

## Effisus Pre - Fab TrueSeal

Excellence lays on the details!



Rainscreen cladding systems sometimes are part of complex architectural facade design that implies difficult sealing that are potential leaking spots and truly challenging when it comes to ensuring a proper and efficient sealing. Great amount of costs and very time-consuming tasks are always part of addressing such challenges.

Effisus Pre-Fab TrueSeal is a pre-fabricated bespoke sealing solution developed specifically for each project detail and requirement. Developed to seal difficult facade 3D details increasing the quality, predictability with less human error.

Effisus Pre-Fab TrueSeal it is the result of Hi-Tech EPDM/TPE moulding and vulcanization technology. In most cases is the combination of innovative products along with different production methodology. Is part of Effisus Ecofacade System and it is fully compatible with Effisus accessories, paste adhesive and self-adhesive tapes.

### Typical applications:

- Sealing 3D details with irregular shape
- Sealing pre-fabricated balcony steel connector
- Sealing different windows/glazing interfaces
- Sealing steel beams facade penetrations (H, I, L shape)

### Solution Benefits:

- Robust – High life-expectancy, 100% waterproof, UV resistant, air and vapour tight.
- Predictability – Less human error and less operations at site.
- Flexible - Resistant to structural and movement, thermal variations.
- Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.

### Technical Characteristics

Testing Method	Results
Compound	EDPM/TPE
Hardness (min/max)	60° - 90°
Elongation (min/max)	> 450%

### Supplying Information

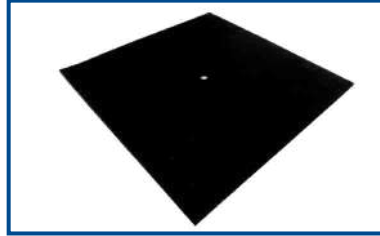
Please contact Effisus for supplying information as this will vary depending on sizes and configurations.





## Effisus Tight Rings

Highly Elastic Grommets for Sealing Cables or Pipe Penetrations on VCL, Breather and Ecofacade Membranes



Sealing grommets made of strong and highly flexible EPDM. Ideally suited for rapid and permanent airtight feedthroughs for cables and pipes (6 to 320mm diameters) through the airtight or wind-tight sealing layer on facades (approved for use with Effisus VCL, Effisus Breather and Ecofacade Membranes). Can be used indoors or outdoors.

### Typical applications:

Water and airtight sealing layer on facade penetrations:  
HVAC cables  
Electric cables  
Other circular cables

### Solution Benefits:

Resistant – Water and windtight sealing on indoors or outdoors.  
Universal – Permanent adhesion to PE, PA, PP, PET, aluminum, wood, hard plastic, etc..  
Broad product range – Options for cables or pipes with diameters from 6 to 320mm.  
Approved – Approved component of the Effisus Ecofacade Envelope system.  
Easy to install – No need for special tools.

### Technical Characteristics

Testing Method	Results
Material	EPDM acrylate solvent-free adhesive tape
Temperature resistance	-40°C to 100°C
Grommet sizes	Effisus Tight KF Grommet – single cable – for cable diameters between 6 – 320mm
Grommet sizes	Effisus Tight2 KD Grommet – twin cable – for cable diameters between 6 – 320mm

### Supplying Information

For further information, please contact Effisus customer services.



# Curtain wall weatherproofing



# Connections between panels



## Effisus Ecofacade Pre- Fab Profiles

Curtain walls weatherproofing engineered profiles



Effisus Ecofacade Pre-Fab Profiles are the outperforming system for connections between unitized and semi-unitized on panels. Effisus profiles are customized and pre-fabricated to specifically fit into each aluminum or PVC groove and a time-saving, error-free, long-lasting installation is assured.

Possible to have a complete window frame vulcanized without corners connections made by fragile adhesive/sealant.

### Typical applications:

Connections between unitized and semi-unitized panels  
Connections in pre-fabricated facades

### Solution Benefits:

Robust – High life expectancy, 100% waterproofing and UV resistant, vapour and airtight.

Bespoke – Customized as per each project needs. Possible to incorporate self – adhesive surface.

Predictability – Perfect sealing without adhesives or sealants, no need for skilled specialized labor or special tools.

Universal – Compatible with market standard structural/sealant/adhesive glazing.

Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.

### Technical Characteristics

Testing Method	Results
Compound	EDPM/TPE
Hardness (min/max)	60° - 90°
Elongation (min/max)	250 to 600%

### Supplying Information

For supply information please contact Up-Way Systems.





# Connections between multiple panels

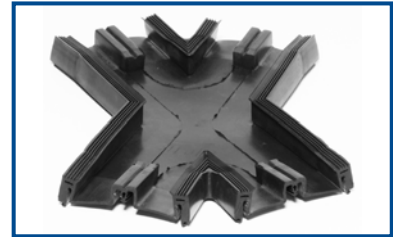
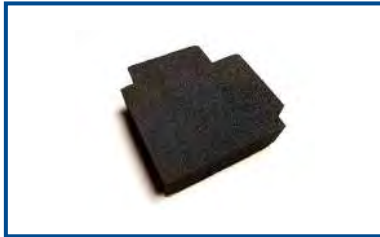
Connections  
between multiple  
panels





## Effisus Pre- Fab TrueSeal

Excellence lays on the details!



Facade curtain wall connections between multiple panels sometimes inclined or curved, as well as, facade penetrations are always potential leaking spots and truly challenging when it comes to ensuring a proper and efficient sealing. Great amount of costs and very time-consuming tasks are always part of addressing such challenges.

Effisus Pre-Fab TrueSeal is a pre-fabricated bespoke sealing solution developed specifically for each project detail and requirement. Developed to seal difficult facade 3D details increasing the quality, predictability with less human error.

Effisus Pre-Fab TrueSeal is the result of Hi-Tech EPDM/TPE moulding and vulcanization technology. In most cases is the combination of innovative products along with different production methodology. Is part of Effisus Ecofacade System and it is fully compatible with Effisus accessories, adhesive and self-adhesive tapes.

### Typical applications:

- Sealing 3D details with irregular shape
- Sealing pre-fabricated balcony steel connector
- Sealing different windows/glazing interfaces
- Sealing steel beams facade penetrations (H, I, L shape)

### Solution Benefits:

Robust – High life-expectancy, 100% waterproof, UV resistant, air and vapour tight.

Predictability – Less human error and less operations at site.

Flexible - Resistant to structural and movement, thermal variations.

Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.

### Technical Characteristics

Testing Method	Results
Compound	EDPM/TPE
Hardness (min/max)	60° - 90°
Elongation (min/max)	> 450%

### Supplying Information

Please contact Effisus for supplying information as this will vary depending on sizes and configurations.



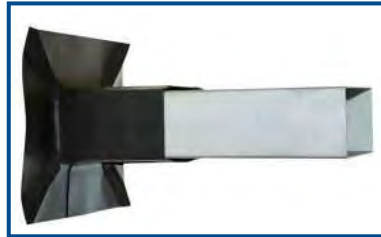
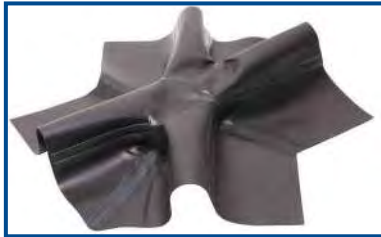


# Connections 3D



## Effisus Pre- Fab TrueSeal

Excellence lays on the details!



Facade curtain wall connections between multiple panels sometimes inclined or curved, as well as, facade penetrations are always potential leaking spots and truly challenging when it comes to ensuring a proper and efficient sealing. Great amount of costs and very time-consuming tasks are always part of addressing such challenges.

Effisus Pre-Fab TrueSeal is a pre-fabricated bespoke sealing solution developed specifically for each project detail and requirement. Developed to seal difficult facade, 3D details increasing the quality, predictability with less human error.

Effisus Pre-Fab TrueSeal is the result of Hi-Tech EPDM/TPE moulding and vulcanization technology. In most cases resulting in a through flexible combination of innovative products along with different production methodology. Is part of Effisus Ecofacade System and it is fully compatible with Effisus accessories, adhesive and self-adhesive tapes.

### Typical applications:

- Sealing 3D details with irregular shape
- Sealing pre-fabricated balcony steel connector
- Sealing different windows/glazing interfaces
- Sealing steel beams facade penetrations (H, I, L shape)

### Solution Benefits:

Robust – High life-expectancy, 100% waterproof, UV resistant, air and vapour tight.

Predictability – Less human error and less operations at site.

Flexible - Resistant to structural and movement, thermal variations.

Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.

### Technical Characteristics

Testing Method	Results
Compound	EDPM/TPE
Hardness (min/max)	60° - 90°
Elongation (min/max)	> 450%

### Supplying Information

For supply information please contact Up-Way Systems.



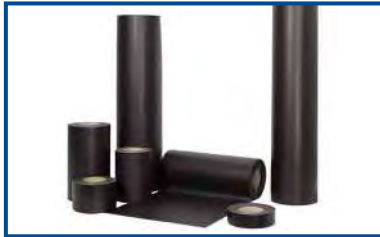


# Wall perimeter



# Effisus Ecofacade Membrane

## Facade connections weatherproofing solution



Effisus Ecofacade is a system for weatherproofing facades. The system's high performance and added value are guaranteed, not only due to its temperature range resistance and high UV resistance, but also to its possibility of full customization, according to each specific project. Therefore, the system's speed and easier application are increased, the possibility of errors during installation is reduced and waste materials are minimized.

The system protects building's facade interfaces, and consequently the action of atmospheric agents and their consequences. It ensures both water, vapour and air tightness, whilst also maximizing building energy efficiency and avoiding condensation risk.

### Typical applications:

- Interfaces in ventilated facades
- Interfaces in curtain walls
- Interfaces in pre-fabricated facades

### Solution Benefits:

- Robust – High life-expectancy, 100% waterproof and UV resistant. Vapour and airtight .
- Universal – Customizable dimensions and unlimited widths.
- Energy efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.
- Envelope System – Full complete facade weatherproofing system (Effisus Breathers, Effisus VCL's and Effisus accessories).

### Technical Characteristics

Testing Method	Results
Resistance to water penetration (EN 1928)	W1
Resistance to air passage (EN12114)	≤ 0.1 m3/(m2xhx50 Pa)
Tensile strength (EN 12311-1)	≥ 260 N/50mm
Tear resistance (EN 12310-1)	≥ 80 N
Elongation (EN12311-1)	≥ 400%
Sd value (EN 1931)	≥ 21m

### Supplying Information

Code	Designation	Packaging
130002	Effisus Ecofacade Membrane 0.75mm; 150mm x 20m	Roll
130003	Effisus Ecofacade Membrane 0.75mm; 200mm x 20m	Roll
130005	Effisus Ecofacade Membrane 0.75mm; 300mm x 20m	Roll

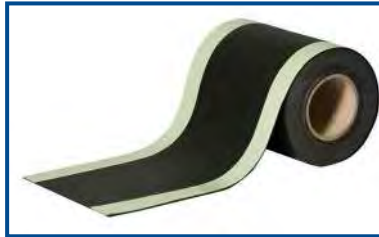
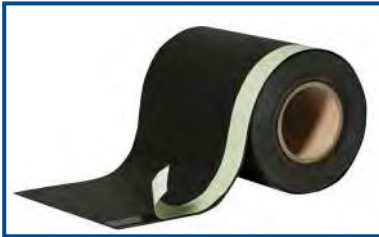
Upon request is possible to deliver Effisus Ecofacade Membrane unlimited widths.  
For supply information please contact Up-Way Systems.





## Effisus Ecofacade SA-Edge

Facade connections weatherproofing solution with self-adhesive bands



Effisus Ecofacade SA-Edge is the innovative time-saving system for weatherproofing facade interfaces. The system's high performance and added value are guaranteed, not only due to its expectable durability of over 50 years, but even more to its self-adhesive bands, which can be of any number and configuration, according to each project's needs. Through the extinction of the need for adhesive pastes, applications ease and speed are increased, wastes are eliminated and budget predictability is more effective. Possibility of human error during installation is widely reduced.

### Typical applications:

Interfaces in ventilated facades  
Interfaces in curtain walls  
Interfaces in pre-fabricated facades

### Solution Benefits:

Cost Savings – Less waste (adhesives and sealant). Additionally provides less stock and transportation costs.  
Robust – High life expectancy and 100% waterproof and UV resistant. Vapour and airtight.  
Predictability – Less human error, more productivity and higher quality.  
Bespoke solution – Customizable integrated self-adhesives bands.  
Energy efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.  
Envelope System – Full complete facade weatherproofing system (Effisus Breathers, Effisus VCL's and Effisus accessories).

### Technical Characteristics

Testing Method	Results
Resistance to water passage - EN 1928	W1
Resistance to air passage - EN12114	$\leq 0.1 \text{ m}^3/(\text{m}^2 \times \text{h} \times 50 \text{ Pa})$
Tensile strength - EN 12311-1	$\geq 260 \text{ N}/50\text{mm}$
Elongation - EN 12311-1	$\geq 400 \%$
Tear resistance - EN 12310-1	$\geq 80 \text{ N}$
Sd value - EN 1931	$\geq 21\text{m}$

### Supplying Information

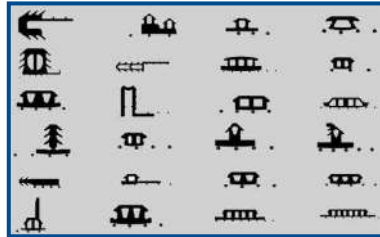
Code	Designation	Packaging
131102	Effisus Ecofacade 1 SA-Edges Membrane 20mm / 0.60mm; 150mm x 20m	Roll
131103	Effisus Ecofacade 1 SA-Edges Membrane 40mm / 0.60mm; 200mm x 20m	Roll

Upon request is possible to deliver Effisus Ecofacade Membrane unlimited widths.  
For supply information please contact Up-Way Systems.



## Effisus Ecofacade P-Fix

Facade connections weatherproofing solution with clip-in gaskets



Effisus Ecofacade P-Fix is the leading system for weatherproofing facade Interfaces.

The system's efficiency and added-value are guaranteed, not only due to its service temperatures or durability, but especially due to its fast-connect vulcanized gaskets into aluminum or PVC groove. These can be customized to fit any special groove, thus providing an unprecedented speed with less human error, ease of application, in junction with unrivalled protection and durability. Allows maintenance and complete visual inspection during the building life span.

### Typical applications:

- Interfaces in ventilated facades
- Interfaces in curtain walls
- Interfaces in pre-fabricated facades

### Solution Benefits:

- Robust – High life expectancy, 100% waterproof and UV resistant. Vapour and airtight.
- Cost Savings – Less waste (sealants and adhesives). Additionally provides less stock and transportation costs.
- Universal – Customizable clip-in gaskets.
- Predictability – Less human error, more productivity and high quality.
- Energy efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.
- Envelope system – Full complete facade weatherproofing system with Effisus Breather, Effisus VCL's and Effisus Accessories.

### Technical Characteristics

Testing Method	Results
Resistance to water passage (EN 1928 B)	W1
Resistance to air passage (EN12114)	≤ 0.1 m3/(m2xhx50 Pa)
Tensile strength (EN 12311-1)	≥ 260 N/50mm
Elongation (EN 12311-1)	≥ 400 %
Tear resistance (EN 12310-1)	≥ 80 N
Sd value (EN 1931)	≥ 21m

### Supplying Information

Code	Designation	Packaging
130101	Effisus Ecofacade P-Fix Membrane 0.75mm; 100mm x 20m	Roll
130102	Effisus Ecofacade P-Fix Membrane 0.75mm; 150mm x 20m	Roll

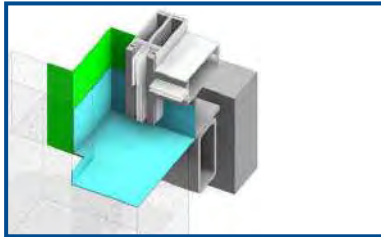
Upon request is possible to deliver Effisus Ecofacade Membrane unlimited widths.

For supply information please contact Up-Way Systems.



# Effsus Ecofacade Pre-Fab Corners

Pre-fabricated corners for facade connections weatherproofing



Effsus Ecofacade Pre-fab Corners are the ultimate supplement for a faster and error-free installation. Windows frame corners are the hardest points to seal in a facade connection due to difficult corners shapes, dimensions and sometimes limited space available to execute an efficient sealing. Effsus Pre-fab Corners are custom-made to the needs of each situation, which not only enormously increases speed of application, but also improves the whole system's sealing efficiency. Through this, the most vulnerable areas are transformed into the safest ones. Effsus Ecofacade Pre-fab Corners, together with the Ecofacade System, provide the ultimate, efficient and sustainable facade weatherproofing protection. Not only do they increase the speed of a critical, but time-consuming job but also, immensely, reduce the amount of wastes and boost service life-time.

### Typical applications:

- Interfaces in ventilated facades
- Interfaces in curtain walls
- Interfaces in pre-fabricated facades

### Solution Benefits:

- Predictability – Less human error, more productivity, high quality.
- Robust – High life-expectancy, 100% waterproof and UV resistant. Vapour and airtight.
- Universal – Customizable dimensions and configurations.
- Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.
- System Envelope – Full complete facade weatherproofing system with Effsus Breathers, Effsus VCL's and Effsus accessories.

### Technical Characteristics

Testing Method	Results
Resistance to water penetration (EN 1928)	W1
Resistance to air passage (EN12114)	≤ 0.1 m <sup>3</sup> /(m <sup>2</sup> xhx50 Pa)
Tensile strength (EN 12311-1)	≥ 350 – 450 N/50mm
Elongation (EN 12311-1)	≥ 450 %
Tear resistance (EN 12310-1)	≥ 90 N
Sd value (EN 1931)	≥ 21 m

### Supplying Information

Code	Designation	Packaging
132669	Effsus Ecofacade Inner Corner AE100X100	Unit
132625	Effsus Ecofacade Outer Corner AE100X100	Unit

Upon request is possible to deliver completely bespoke corners  
 For supply information please contact Up-Way Systems.



# Penetrations



## Effisus 2Bond DS

Permanent solution for sealing between two surfaces or nail/screw penetrations



Watch video

Effisus 2Bond DS is the efficient solution for sealing between two surfaces, of the same or different materials, and sealing any kind of nail/screw penetration.

The Effisus 2Bond DS tape is a double side adhesive tape, based on an advanced technology with active adhesive sealants that ensure excellent adhesion to the most diverse materials: polycarbonate, glass, metals, natural stone, concrete, plaster or ceramic.

It is a part of the Effisus Breather FR and Effisus Vapour FR system (Class A2-s1,d0).

### Typical applications:

- Sealing penetrations on mechanical fixations
- Sealing fixing points on screw plates
- Sealing fixing points on lifelines
- Sealing fixing points of facade or roof frameworks
- Sealing between metallic profiles

### Solution Benefits:

- Robust – Waterproof and flexible from -56°C up to +93°C.
- Universal – Compatible with polycarbonate, glass, metals, stone, concrete, plaster and ceramic.
- Durable – Life expectancy of over 20 years.
- Flexible – Adapts to the needs of different construction situations.
- Ease of application – Simple to use and with no need for extra accessories.

### Technical Characteristics

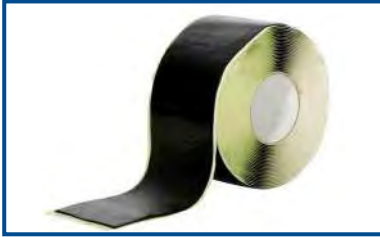
Testing Method	Results
Adhesion strength	8.64 kg / in width
Elongation	≥ 500% ± 100
Low temperature flexibility	12.7mm radius at -34.4°C
Temperature flexibility range	-56°C to +93°C
Water vapour test - ASTM 96B	0.005grs/254cm <sup>2</sup> /24hrs/37°C

### Supplying Information

Code	Designation	Packaging
250808	Effisus 2Bond DS 1.54mm; 2.5cm x 15.25m	Roll
250801	Effisus 2Bond DS 1.54mm; 5.0cm x 15.25m	Roll

For supply information please contact Up-Way Systems.





The Effisus Bond GF tape is the efficient and sustainable solution for sealing details on surfaces with irregular shapes and configurations. Effisus Bond GF is an adhesive tape, with exceptional adhesion properties. The adhesive is kept unaltered by a PE transparent film, and the tape is highly elastic and extensible (longitudinally and transversally). It has perfect adherence to Effisus VCL's, Effisus Breather membranes and Effisus Ecofacade Membrane.

Due to its superior flexibility, the Effisus Bond GF tape is ideal for sealing details on locations with irregular geometric shapes, since it adapts to the detail's configuration and guarantees a permanent and elastic seal.

**Typical applications:**

- Sealing cladding fixing brackets
- Sealing details with irregular shapes of windows aluminium/PVC profiles
- Sealing membrane corners or other difficult sealing points (weak points)
- Sealing general detail repairs

**Solution Benefits:**

- Robust – Waterproof and permanently elastic and flexible. Elongation capacity of up to 300%.
- Universal – Different widths for various situations.
- Durable – High life-expectancy.
- Flexible – Adapts to the different construction needs.
- Easy to apply – Simple to use material and with no need for extra accessories.

**Technical Characteristics**

Testing Method	Results
Elongation	> 300%
Adhesion	> 15 N / 25mm
Temperature resistance	- 30 to +80°C

**Supplying Information**

Code	Designation	Packaging
251701	Effisus Bond GF 2.0mm; 50mm x 10m	Roll
251702	Effisus Bond GF 2.0mm; 80mm x 10m	Roll

For supply information please contact Up-Way Systems.



# Accessories



# Rainscreen



# Breather membranes - accessories



# Breather Membranes

## ACCESSORIES



### Effisus Breather Membranes - Accessories

	Sealing membrane overlaps	Fixing membranes to the substrate	Sealing general membrane penetrations	Sealing cable/ pipe membrane penetrations	Perimeter sealing membrane edges
Adjoin TI	•				•
2Adjoin DF	• *1	•			
2Bond DS			•		• *2
Tight Rings				•	
True Seal			•		

\*1 For the Effisus Breather FR, the Effisus 2Adjoin DF Tape is used to seal the membrane overlaps.

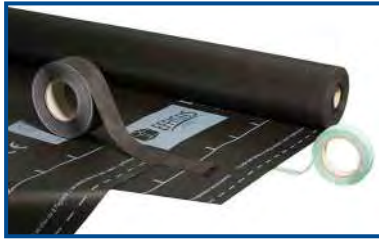
\*2 For the Effisus Breather FR, the Effisus 2Bond DS Tape is used to perimeter sealing the membrane edges.

**Note:** For additional technical details please request product technical data sheet.



## Effsus Adjoin TI Tape

Flexible tape for sealing breather membrane overlaps



Effsus Adjoin TI Tape is a flexible multipurpose adhesive tape for airtight bonds indoors and outdoors, with a waterproof solid adhesive (acrylate based – free of solvents or softeners).

Effsus Adjoin TI Tape is used to form a secure and permanent seal of overlaps between vapour barriers and/or breathable membranes, roof underlays and wall membranes, as well as joints between such membranes and smooth, non-mineral surfaces.

Effsus Adjoin TI Tape is also suitable for sealing butt joints between wood-based, cement or silicate calcium boards. Offers high protection against piercing in corners due to its high elasticity.

### Typical applications:

- Sealing cladding fixing brackets
- Sealing steel beams penetrations
- Secure seal of overlaps between vapour barriers
- Secure seal of overlaps between breather membranes
- Secure sealing of connections between Effsus Ecofacade and Breather or VCL membrane
- Secure seal of facade service penetrations

### Solution Benefits:

- Powerful – Airtight and waterproof with superior bonding strength.
- Resistant – Resistant to movements, thermal variations and contact with moisture.
- Universal – Compatible to all conventional building smooth surfaces.
- Flexible – Complies with the different installation requirements.
- Easy to install – With release paper and easy to tear by hand.
- Approved – Approved accessory of the Effsus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Temperature resistance	-40 °C to 90°C
Life expectancy	+ 60 years
UV exposure	6 months

### Supplying Information

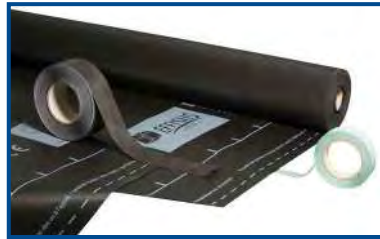
Code	Designation	Packaging
250501	Effsus Adjoin TI 60mm x 30m	Roll

For supply information please contact Up-Way Systems.



## Effisus 2Adjoin DF Tape

Double sided adhesive tape for fastening breather and VCL membranes to the facade structure



Effisus 2Adjoin DF Tape is a double sided airtight and moisture resistant sealing tape, suitable for fixing all of Effisus Ecofacade, Vapour barriers and Breather membranes, PE/PA/PP and aluminum foils to metal studs. Suitable for wind tight and moisture proof sealing of external membranes. For rain-proof taping of roof underlay. Quick and easy to apply using the Effisus 2Adjoin DF Hand Dispenser. With release paper. It is a part of the Effisus Breather FR and Effisus Vapour FR system (Class A2-s1,d0).

### Typical applications:

- Fixing vapour barriers to metal studs
- Fixing breather membranes to metal studs
- Sealing overlaps between vapour barriers and breather membranes
- Effisus Ecofacade Envelope system

### Solution Benefits:

- Powerful – Airtight and moisture resistant with superior bonding strength.
- Resistant – Resistant to movements, thermal variations and contact with moisture.
- Flexible – Complies with the different installation requirements.
- Easy to install – With release paper and easy to tear by hand.
- Approved – Approved accessory of the Effisus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Temperature resistance	-40 °C to 90°C
Life expectancy	+ 60 years
UV exposure	6 months

### Supplying Information

Code	Designation	Packaging
250001	Effisus 2Adjoin DF 0.35mm; 50mm x 25m	Roll

For supply information please contact Up-Way Systems.





## Effisus 2Bond DS

Permanent solution for sealing between two surfaces or nail/screw penetrations



Watch video

Effisus 2Bond DS is the efficient solution for sealing between two surfaces, of the same or different materials, and sealing any kind of nail/screw penetration.

The Effisus 2Bond DS tape is a double side adhesive tape, based on an advanced technology with active adhesive sealants that ensure excellent adhesion to the most diverse materials: polycarbonate, glass, metals, natural stone, concrete, plaster or ceramic.

It is a part of the Effisus Breather FR and Effisus Vapour FR system (Class A2-s1,d0)

### Typical applications:

- Sealing penetrations on mechanical fixations
- Sealing fixing points on screw plates
- Sealing fixing points on lifelines
- Sealing fixing points of facade or roof frameworks
- Sealing between metallic profiles
- Sealing the edges of Effisus Ecofacade, Effisus Breather and Effisus Vapour Control Layer membranes

### Solution Benefits:

- Robust – Waterproof and flexible from 56°C up to +93°C.
- Universal – Compatible with polycarbonate, glass, metals, stone, concrete, plaster and ceramic.
- Durable – Life expectancy of over 20 years.
- Flexible – Adapts to the needs of different construction situations.
- Ease of application – Simple to use and with no need for extra accessories.

### Technical Characteristics

Testing Method	Results
Adhesion strength	8.64 kg / in width
Elongation	≥ 500% ± 100
Low temperature flexibility	12.7mm radius at -34.4°C
Temperature flexibility range	-56°C to +93°C
Water vapour test - ASTM 96B	0.005grs/254cm <sup>2</sup> /24hrs/37°C

### Supplying Information

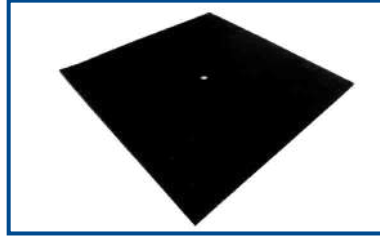
Code	Designation	Packaging
250808	Effisus 2Bond DS 1.54mm; 2.5cm x 15.25m	Roll
250801	Effisus 2Bond DS 1.54mm; 5.0cm x 15.25m	Roll

For supply information please contact Up-Way Systems.



## Effisus Tight Rings

Highly Elastic Grommets for Sealing Cables or Pipe Penetrations on VCL, Breather and Ecofacade Membranes



Sealing grommets made of strong and highly flexible EPDM. Ideally suited for rapid and permanent airtight feedthroughs for cables and pipes (6 to 320mm diameters) through the airtight or wind-tight sealing layer on facades (approved for use with Effisus VCL, Effisus Breather and Ecofacade Membranes). Can be used indoors or outdoors.

### Typical applications:

Water and airtight sealing layer on facade penetrations:  
HVAC cables  
Electric cables  
Other circular cables

### Solution Benefits:

Resistant – Water and windtight sealing on indoors or outdoors.  
Universal – Permanent adhesion to PE, PA, PP, PET, aluminum, wood, hard plastic, etc..  
Broad product range – Options for cables or pipes with diameters from 6 to 320mm.  
Approved – Approved component of the Effisus Ecofacade Envelope system.  
Easy to install – No need for special tools.

### Technical Characteristics

Testing Method	Results
Material	EPDM acrylate solvent-free adhesive tape
Temperature resistance	-40°C to 100°C
Grommet sizes	Effisus Tight KF Grommet – single cable – for cable diameters between 6 – 320mm
Grommet sizes	Effisus Tight2 KD Grommet – twin cable – for cable diameters between 6 – 320mm

### Supplying Information

For further information, please contact Effisus customer services.

## Effisus Pre - Fab TrueSeal

Excellence lays on the details!



Rainscreen cladding systems sometimes are part of complex architectural facade design that implies difficult sealing that are potential leaking spots and truly challenging when it comes to ensuring a proper and efficient sealing. Great amount of costs and very time-consuming tasks are always part of addressing such challenges.

Effisus Pre-Fab TrueSeal is a pre-fabricated bespoke sealing solution developed specifically for each project detail and requirement. Developed to seal difficult facade 3D details increasing the quality, predictability with less human error.

Effisus Pre-Fab TrueSeal it is the result of Hi-Tech EPDM/TPE moulding and vulcanization technology. In most cases resulting in a through flexible combination of innovative products along with different production methodology. Is part of Effisus Ecofacade System and it is fully compatible with Effisus accessories, paste adhesive and self-adhesive tapes.

### Typical applications:

- Sealing 3D details with irregular shape
- Sealing pre-fabricated balcony steel connector
- Sealing different windows/glazing interfaces
- Sealing steel beams facade penetrations (H, I, L shape)

### Solution Benefits:

- Robust – High life-expectancy, 100% waterproof, UV resistant, air and vapour tight.
- Predictability – Less human error and less operations at site.
- Flexible - Resistant to structural and movement, thermal variations.
- Energy Efficiency – Improves the air quality of building interior, durability of all the facade components and minimize the condensation risk.

### Technical Characteristics

Testing Method	Results
Compound	EDPM/TPE
Hardness (min/max)	60° - 90°
Elongation (min/max)	> 450%

### Supplying Information

Please contact Effisus for supplying information as this will vary depending on sizes and configurations.





# VCLs Vapour Control Layers - Accessories



# VCLs (Vapour Control Layers)

## ACCESSORIES



### Effisus VCL Membranes - Accessories

	Sealing membrane overlaps	Fixing membranes to the substrate	Sealing general membrane penetrations	Sealing cable/ pipe membrane penetrations	Perimeter sealing membrane edges
<b>Adjoin GS</b>	•				•
<b>2Adjoin DF</b>	• *1	• *2			
<b>2Bond GO</b>		•			
<b>2Bond DS</b>			•	•	• *2
<b>Bonding KF+P</b>	• *1	• *2			• *2

\*1 For the Effisus Vapour FR, The Effisus 2Adjoin DF Tape or Effisus Bonding KF+P is used to seal the membrane overlaps.

\*2 For the Effisus Vapour FR Membrane, the Effisus 2Adjoin DF Tape or Effisus Bonding KF+P are used to fix the membrane to the substrate and to perimeter seal the membranes edges

## Effsus Adjoin GS Tape

Superior adhesion tape for sealing VCL membranes overlaps



Effsus Adjoin GS Tape is a PE sealing tape with a polyethylene film, as backing. Very pliable and stretchable with a special polyacrylic adhesive of extremely high adhesion and superior ageing resistance. Effsus Adjoin GS Tape is heat and cold resistant. Effsus Adjoin GS Tape is equipped with a polyamide fiber carrier embedded into the adhesive, which reinforces the tape and prevents over expansion during application. For airtight bonding and sealing of overlaps, joints and penetrations of vapour barriers.

### Typical applications:

- Airtight bonds indoors and outdoors
- Secure seal of overlaps between vapour barriers
- Secure seal of service penetrations
- Effsus Ecofacade Envelope system

### Solution Benefits:

- Powerful – Airtight and moisture resistant with superior bonding strength.
- Resistant – Resistant to movements, thermal variations and contact with moisture.
- Flexible – Complies with the different installation requirements.
- Easy to install – With release paper and with an embedded carrier.
- Approved – Approved accessory of the Effsus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Tensile strength (DIN 1939)	≥ 50 N/25mm
Elongation (DIN 14410)	130%
Adhesion	30.0 N/25mm
Temperature range	-40 to +80°C
UV resistance	12 months

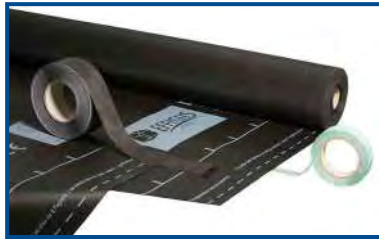
### Supplying Information

Code	Designation	Packaging
250001	Effsus Adjoin GS 0.35mm; 50mm x 25m	Roll

For supply information please contact Up-Way Systems.

## Effisus 2Adjoin DF Tape

Double sided adhesive tape for fastening breather and VCL membranes to the facade structure



Effisus 2Adjoin DF Tape is a double sided airtight and moisture resistant sealing tape, suitable for fixing all of Effisus Ecofacade, Vapour barriers and Breather membranes, PE/PA/PP and aluminum foils to metal studs. Suitable for wind tight and moisture proof sealing of external membranes. For rain-proof taping of roof underlay. Quick and easy to apply using the Effisus 2Adjoin DF Hand Dispenser. With release paper.

It is a part of the Effisus Breather FR and Effisus Vapour FR system (Class A2-s1,d0)

### Typical applications:

- Fixing vapour barriers to metal studs
- Fixing breather membranes to metal studs
- Sealing overlaps between vapour barriers and breather membranes
- Effisus Ecofacade Envelope system

### Solution Benefits:

- Powerful – Airtight and moisture resistant with superior bonding strength.
- Resistant – Resistant to movements, thermal variations and contact with moisture.
- Flexible – Complies with the different installation requirements.
- Easy to install – With release paper and easy to tear by hand.
- Approved – Approved accessory of the Effisus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Temperature resistance	-40 °C to 90°C
Life expectancy	+ 60 years
UV exposure	6 months

### Supplying Information

Code	Designation	Packaging
250001	Effisus 2Adjoin DF 0.35mm; 50mm x 25m	Roll

For supply information please contact Up-Way Systems.



## Effisus 2Bond GO Tape

### Double-sided Butyl Sealing Tape



The Effisus 2Bond GO Tape is a double-sided adhesive butyl tape with excellent adhesiveness to the most common construction materials. It can be used for sealing operations between two surfaces or nail/screw penetrations, adhering perfectly to Effisus Ecofacade and Effisus VCL membranes.

#### Typical applications:

- Sealing overlaps in weatherproofing membranes or vapour barriers
- Sealing joints and perimeter connections on weatherproofing membranes
- Sealing connections between insulation boards
- Sealing connections between two surfaces
- Sealing nail/screw penetrations
- General repairs

#### Solution Benefits:

- Robust - 100% waterproof, to UV and extreme low and high temperatures.
- Universal - Different widths for different needs.
- Durable - High life expectancy.
- Flexible - Adapts to on-site demands.
- Easy to apply - Simple to handle materials and no need for accessories.

#### Technical Characteristics

Testing Method	Results
Thickness	1.0mm
Water resistance	Resistant
Ageing resistance	Very high
Peel strength (IPM 5009)*	≥ 15 N / 25mm
Tack	Very high
Temperature range	-30°C to +80°

#### Supplying Information

Code	Designation	Packaging
250103	Effisus 2Bond GO 1.0mm; 20mm x 30m	Roll

Other dimensions available upon request.



## Effisus 2Bond DS

Permanent solution for sealing between two surfaces or nail/screw penetrations



Watch video

Effisus 2Bond DS is the efficient solution for sealing between two surfaces, of the same or different materials, and sealing any kind of nail/screw penetration.

The Effisus 2Bond DS tape is a double side adhesive tape, based on an advanced technology with active adhesive sealants that ensure excellent adhesion to the most diverse materials: polycarbonate, glass, metals, natural stone, concrete, plaster or ceramic.

It is a part of the Effisus Breather FR and Effisus Vapour FR system (Class A2-s1,d0)

### Typical applications:

- Sealing penetrations on mechanical fixations
- Sealing fixing points on screw plates
- Sealing fixing points on lifelines
- Sealing fixing points of facade or roof frameworks
- Sealing between metallic profiles
- Sealing the edges of Effisus Ecofacade, Effisus Breather and Effisus vapour Controls Layer membranes

### Solution Benefits:

- Robust – Waterproof and flexible from 56°C up to +93°C.
- Universal – Compatible with polycarbonate, glass, metals, stone, concrete, plaster and ceramic.
- Durable – Life expectancy of over 20 years.
- Flexible – Adapts to the needs of different construction situations.
- Ease of application – Simple to use and with no need for extra accessories.

### Technical Characteristics

Testing Method	Results
Adhesion strength	8.64 kg / in width
Elongation	≥ 500% ± 100
Low temperature flexibility	12.7mm radius at -34.4°C
Temperature flexibility range	-56°C to +93°C
Water vapour test - ASTM 96B	0.005grs/254cm <sup>2</sup> /24hrs/37°C

### Supplying Information

Code	Designation	Packaging
250808	Effisus 2Bond DS 1.54mm; 2.5cm x 15.25m	Roll
250801	Effisus 2Bond DS 1.54mm; 5.0cm x 15.25m	Roll

For supply information please contact Up-Way Systems.





## Effisus Bonding KF+P Adhesive

Solvent free adhesive and sealant for Effisus Ecofacade Membranes Breather and VCL membranes



Effisus Bonding KF+P Adhesive brings together on a solvent free innovative adhesive and sealant with exceptional properties of waterproofing and UV resistance, suitable elongation. Without storage or transportation restrictions, it is the ideal option for environmentally friendly projects – meeting the requirements of LEED or BREEAM certification systems. Ideal for application on spaces with ventilation constraints. It is a part of the Effisus Vapour FR system (Class A2-s1,d0)

### Typical applications:

- Bonding to concrete
- Bonding to aluminium, PVC and metallic surfaces
- Bonding operations with high temperatures
- Bonding on moist surfaces
- Bonding of Effisus Ecofacade Membranes
- Bonding of Effisus Vapour FR Membranes

### Solution Benefits:

- Powerful – Superior bonding strength, waterproofing and UV resistant.
- Flexible – Resistant to structural and thermal movements and contact with moisture.
- Universal – Compatible to all conventional building surfaces.
- Sustainable – Solvent free. No storage or transportation restrictions.

### Technical Characteristics

Testing Method	Results
Colour	Black
UV exposure	Resistant
Temperature resistance	-40 to +160°C
VOCs	0%
Consumption rate	Approx. 7lm per 600ml

### Supplying Information

Code	Designation	Packaging
210107	Effisus Bonding KF+P 600 ml	Tube

For supply information please contact Up-Way Systems.





# Rainscreen / curtain wall



# Bonding / Sealing Operations



# Bonding/Sealing operations

## Product Selector

	Adhesive	Sealant	Primer (Porous Surfaces or Temperatures below 5°C)	Cleaner (Smooth Surfaces)
Bonding KF	•	•		
Bonding KFP	•	•		
Bonding KF+P	•	•		
Bonding KT	•			
Block JP		•		
Coat NP			•	
Setup PR				•

For additional information please see specific product page.



# Adhesives

## Product Selector



	Adhesive	Sealant	UV Resistant	-40°C to +160°C	Solvent Free
Bonding KF	•	•			
Bonding KFP	•	•	•		• *
Bonding KF+P	•	•	•	•	•

\* Low Solvent Content (1.07%)

For additional information please see specific product page.



## Effisus Bonding KF Adhesive

Adhesive for Effisus Ecofacade Membranes with weatherproofing properties



Effisus Bonding KF Adhesive is the Effisus Ecofacade System's adhesive suitable for all conventional building surfaces, such as concrete, aluminium, PVC or metal. With exceptional bonding strength it is especially suitable for rough, uneven surfaces. With the Effisus Bonding KF Adhesive, installation can be carried out at temperatures down to  $-10^{\circ}\text{C}$  and up to  $+35^{\circ}\text{C}$ , even on moist (absorbent) surfaces\*, allowing corrections on the membrane position. It resists to temperatures from  $-40^{\circ}\text{C}$  to  $+90^{\circ}\text{C}$ , remaining permanently flexible. With waterproofing properties, it does not require additional sealants.

\*In combination with the Effisus Coat NP Primer

### Typical applications:

- Bonding to concrete
- Bonding to aluminium, PVC and metallic surfaces
- Bonding operations with low temperatures,  $-10^{\circ}\text{C}$
- Bonding on moist surfaces
- Bonding of Effisus Ecofacade Membranes overlapping joints

### Solution Benefits:

- Powerful – Exceptional bonding strength with no additional mechanical fixing required.
- Resistant – Resistant to structural and thermal movements.
- Universal – Compatible to all conventional building surfaces.
- Flexible – Complies with the different installation requirements.
- Easy to install – With adhesive gun. Membranes can be applied up to 30 minutes after adhesive.
- Approved – Approved accessory of the Effisus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Colour	Black
Temperature resistance	$-40$ to $+90^{\circ}\text{C}$
Bonding strength (Concrete & Aluminium) - EN 12317-2	$>150$ N/50mm
Bonding strength (Ecofacade Membranes) - EN 12317-2	$>250$ N/50mm
Consumption rate	Approx. 7lm per 600ml

### Supplying Information

Code	Designation	Packaging
210102	Effisus Bonding KF 600ml	Tube

For supply information please contact Up-Way Systems.





## Effisus Bonding KFP Adhesive

UV resistant adhesive for Effisus Ecofacade Membranes



Effisus Bonding KFP Adhesive is the Effisus Ecofacade System's adhesive with UV resistance. Brings together on a single adhesive exceptional properties of adhesiveness, waterproofing and UV resistance, with suitable elongation in accordance with facade application. With exceptional bonding strength it is especially suitable for rough, uneven surfaces. Waterproofing and UV resistant, with the Effisus Bonding KFP Adhesive no additional sealing materials are required.

### Typical applications:

- Bonding to concrete
- Bonding to aluminium, PVC and metallic surfaces
- Bonding operations with high temperatures
- Bonding on moist surfaces
- Bonding of Effisus Ecofacade Membranes overlapping joints

### Solution Benefits:

- Powerful – Superior bonding strength, waterproofing and UV resistant.
- Resistant – Resistant to structural and thermal movements and contact with moisture.
- Universal – Compatible to all conventional building surfaces.
- Flexible – Complies with the different installation requirements.
- Easy to install – With adhesive gun.

### Technical Characteristics

Testing Method	Results
Colour	Black
UV exposure	Resistant
Temperature resistance	-40 to +90°C
Consumption rate	Approx. 7lm per 600ml

### Supplying Information

Code	Designation	Packaging
210109	Effisus Bonding KFP 600 ml	Tube

For supply information please contact Up-Way Systems.



## Effisus Bonding KF+P Adhesive

Solvent free adhesive and sealant for Effisus Ecofacade Membranes Breather and VCL membranes



Effisus Bonding KF+P Adhesive brings together on a solvent free innovative adhesive and sealant with exceptional properties of waterproofing and UV resistance, suitable elongation. Without storage or transportation restrictions, it is the ideal option for environmentally friendly projects – meeting the requirements of LEED or BREEAM certification systems. Ideal for application on spaces with ventilation constraints. It is a part of the Effisus Vapour FR system (Class A2-s1,d0)

### Typical applications:

- Bonding to concrete
- Bonding to aluminium, PVC and metallic surfaces
- Bonding operations with high temperatures
- Bonding on moist surfaces
- Bonding of Effisus Ecofacade Membranes, Effisus VCL Membranes and Effisus Breather Membranes
- Bonding of Effisus Vapour FR Membranes

### Solution Benefits:

- Powerful – Superior bonding strength, waterproofing and UV resistant.
- Flexible – Resistant to structural and thermal movements and contact with moisture.
- Universal – Compatible to all conventional building surfaces.
- Sustainable – Solvent free. No storage or transportation restrictions.

### Technical Characteristics

Testing Method	Results
Colour	Black
UV exposure	Resistant
Temperature resistance	-40 to +160°C
VOCs	0%
Consumption rate	Approx. 7lm per 600ml

### Supplying Information

Code	Designation	Packaging
210107	Effisus Bonding KF+P 600 ml	Tube

For supply information please contact Up-Way Systems.



## Effisus Bonding KT Adhesive

Contact adhesive for Effisus Ecofacade Membranes



Effisus Contact Adhesive is a ready-made contact adhesive for the high-performance bonding of Effisus Ecofacade membranes to all conventional mineral construction substrates (concrete, breeze and aerated concrete, chalky sandstone, brick, clinker, plaster), PVC, aluminum or timber. Suitable for smooth and even substrates. In combination with the Effisus Coat NP Primer bonding operations can be carried out at temperatures down to -10°C and on damp (absorptive) construction substrates.

### Typical applications:

- Bonding to concrete
- Bonding to metal
- Bonding operations with low temperatures, -10°C.\*
- Bonding on damp surfaces\*
- Bonding of Effisus Ecofacade Membranes overlapping joints
- \*In combination with Effisus Coat NP Primer

### Solution Benefits:

- Powerful – Exceptional bonding strength with no additional mechanical fixing required.
- Instantaneous – Superior bonding strength achieved immediately after installation.
- Universal – Compatible to all conventional building surfaces.
- Flexible – Complies with the different installation requirements.
- Approved – Approved accessory of the Effisus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Colour	Black
Aluminium	>50 N/50mm
Concrete	>100 N/50mm
EPDM membranes	>250 N/50mm
Consumption rate	400 – 500 grs/m <sup>2</sup>

### Supplying Information

Code	Designation	Packaging
210101	Effisus Bonding KT (4,7Kg)	Can

For supply information please contact Up-Way Systems.



## Effisus Block JP Sealant

Single-component high-performance sealant



Effisus Block JP Sealant is a single-component sealant, that under the influence of air moisture cures into a permanently elastic and weather resistant sealant. Effisus Block JP Sealant is highly resistant to UV-ageing and all weather conditions. Its antifungal component provides protection against most microorganism potentially appearing in damp interiors. It is virtually odour-free.

### Typical applications:

- Effisus Ecofacade Membrane's edges
- Details on Effisus Ecofacade Membranes (corners, etc.)
- Joints on aluminium or other metallic surfaces
- Facade membranes connections to roofing membranes
- Joints on other construction products, such as, facade wood board, cement, silicate and calcium boards

### Solution Benefits:

- Powerful – Waterproofing, resistant to UV and damp conditions.
- Resistant – Resistant to movements, thermal variations and contact with moisture.
- Universal – Compatible to all conventional building surfaces.
- Approved – Approved accessory of the Effisus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Colour	Black
Processing temperature, °C	+5 to +40 °C
Thermal stability	-50 to + 150 °cC
Tensile strength	> 0.5 Mpa
Elongation	> 300 – 500 %
Consumption rate	Approx. 15lm per 300ml

### Supplying Information

Code	Designation	Packaging
310101	Effisus Block JP 310ml	Cartridge

For supply information please contact Up-Way Systems.



## Effisus Coat NP Primer

Pre-treatment primer for bonding operations on low temperatures, porous or damp substrates



Effisus Coat NP Primer is a ready-to-use sub-coat for absorbent building surfaces. It serves as a bonding agent for the subsequent adhesion of Effisus Ecofacade waterproof facade sealing systems. It promotes adhesion on damp surfaces when using the Effisus Ecofacade Adhesives.

When used in combination with the Effisus Bonding KF or Effisus Bonding KT Adhesive bonding operations can be carried out on damp substrates or with temperatures down to -10°C.

### Typical applications:

- Bonding operations on porous substrates: concrete, masonry and stone
- Bonding operations with low temperatures, -10°C
- Bonding operations on damp substrates

### Solution Benefits:

- Ready-to-use – No mixing required. Dries out quickly.
- Universal – Compatible to all conventional building surfaces.
- Flexible – Complies with the different installation requirements.
- Approved – Approved accessory of the Effisus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Colour	Black
Processing temperature	-10°C to +35 °C
Resistance temperature	-40°C to +90°C
Consumption rate	Approx. 300grs/m2

### Supplying Information

Code	Designation	Packaging
300101	Effisus Coat NP (4.5kg)	Can

For supply information please contact Up-Way Systems.



## Effisus Setup PR Cleaner

Cleaner for smooth substrates and Effisus Membranes



The Effisus Setup PR Cleaner is used to clean dirty surfaces to be glued or adhered, approved for use in combination with the Effisus Bonding Adhesives and Effisus Membranes, is suitable for cleaning smooth substrates, such as, aluminium, PVC, steel and metallic surfaces. It is totally clear and leaves no residues on cleaned surfaces. Dries out immediately. Removes dirt, dust and oils effectively.

### Typical applications:

Cleaning operations on smooth substrates

### Solution Benefits:

- Ready-to-use – No mixing required. Dries out immediately, without residues.
- Effective – Removes dirt, dust or oils effectively.
- Universal – Compatible to all conventional building surfaces (aluminum, PVC, etc.).
- Approved – Approved accessory of the Effisus Ecofacade System.

### Technical Characteristics

Testing Method	Results
Colour	Transparent
Processing temperature	-10°C to +35 °C
Dry matter	0
Flash point	-1°C
Inflammation temperature	250°C
Consumption rate	Approx. 35sqm per liter

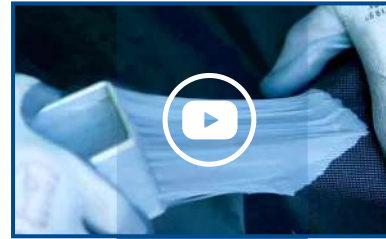
### Supplying Information

Code	Designation	Packaging
270101	Effisus Setup PR Cleaner 1l	Can

For supply information please contact Up-Way Systems.



Permanent solution for sealing between two surfaces or nail/screw penetrations



Watch video

Effisus 2Bond DS is the efficient solution for sealing between two surfaces, of the same or different materials, and sealing any kind of nail/screw penetration.

The Effisus 2Bond DS tape is a double side adhesive tape, based on an advanced technology with active adhesive sealants that ensure excellent adhesion to the most diverse materials: polycarbonate, glass, metals, natural stone, concrete, plaster or ceramic.

It is a part of the Effisus Breather FR and Effisus Vapour FR system (Class A2-s1,d0)

**Typical applications:**

- Sealing penetrations on mechanical fixations
- Sealing fixing points on screw plates
- Sealing fixing points on lifelines
- Sealing fixing points of facade or roof frameworks
- Sealing between metallic profiles
- Sealing the edges of Effisus Ecofacade, Effisus Breather and Effisus Vapour Control Layer membranes

**Solution Benefits:**

- Robust – Waterproof and flexible from 56°C up to +93°C.
- Universal – Compatible with polycarbonate, glass, metals, stone, concrete, plaster, ceramic.
- Durable – Life expectancy of over 20 years.
- Flexible – Adapts to the needs of different construction situations.
- Ease of application – Simple to use and with no need for extra accessories.

**Technical Characteristics**

Testing Method	Results
Adhesion strength	8.64 kg / in width
Elongation	≥ 500% ± 100
Low temperature flexibility	12.7mm radius at -34.4°C
Temperature flexibility range	-56°C to +93°C
Water vapour test - ASTM 96B	0.005grs/254cm <sup>2</sup> /24hrs/37°C

**Supplying Information**

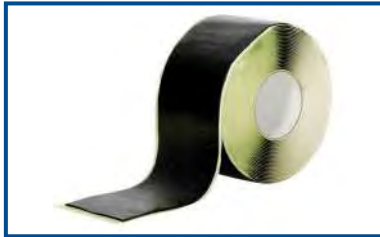
Code	Designation	Packaging
250808	Effisus 2Bond DS 1.54mm; 2.5cm x 15.25m	Roll
250801	Effisus 2Bond DS 1.54mm; 5.0cm x 15.25m	Roll

For supply information please contact Up-Way Systems.



## Effisus Bond GF

Sealing details on surfaces with irregular configurations



The Effisus Bond GF tape is the efficient and sustainable solution for sealing details on surfaces with irregular shapes and configurations. Effisus Bond GF is an adhesive tape, with exceptional adhesion properties. The adhesive is kept unaltered by a PE transparent film, and the tape is highly elastic and extensible (longitudinally and transversally). It has perfect adherence to Effisus VCL, Effisus Breather membranes and Effisus Ecofacade Membrane.

Due to its superior flexibility, the Effisus Bond GF tape is ideal for sealing details on locations with irregular geometric shapes, since it adapts to the detail's configuration and guarantees a permanent and elastic seal.

### Typical applications:

- Details with irregular shapes of windows aluminium/PVC profiles
- Facade penetrations
- Membrane corners or other difficult sealing points (weak points)
- General detail repairs

### Solution Benefits:

- Robust – Waterproof and permanently elastic and flexible. Elongation capacity of up to 300%.
- Universal – Different widths for various situations.
- Durable – High life-expectancy.
- Flexible – Adapts to the different construction needs.
- Easy to apply – Simple to use material and with no need for extra accessories.

### Technical Characteristics

Testing Method	Results
Elongation	> 300%
Adhesion	> 15 N / 25mm
Temperature resistance	- 30 to +80°C

### Supplying Information

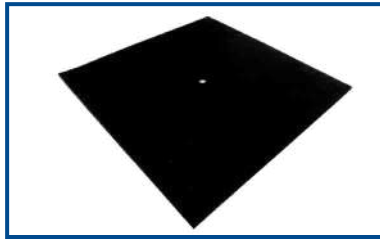
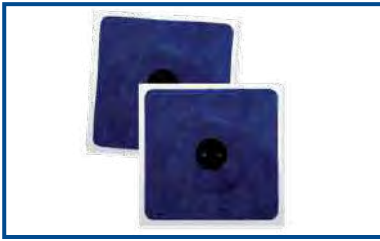
Code	Designation	Packaging
251701	Effisus Bond GF 2.0mm; 50mm x 10m	Roll
251702	Effisus Bond GF 2.0mm; 80mm x 10m	Roll

For supply information please contact Up-Way Systems.



## Effisus Tight Rings

Highly elastic grommets for sealing cables or pipes penetrations on VCL's or Breather and Ecofacade membranes



Sealing grommets made of strong and highly flexible EPDM. Ideally suited for rapid and permanent airtight feedthroughs for cables and pipes (6 to 320mm diameters) through the airtight or wind tight sealing layer on facades (approved for use with Effisus VCL, Effisus Breather and Ecofacade Membranes). Can be used indoors or outdoors.

### Typical applications:

Water and airtight sealing layer on facade penetrations:  
HVAC  
Electric cables  
Other circular cables

### Solution Benefits:

Resistant – Water and windtight sealing on indoors or outdoors.  
Universal - Permanent adhesion to PE, PA, PP, PET, aluminum, wood, hard plastic, etc..  
Broad product range – Options for cables or pipes with diameters from 6 to 320mm.  
Approved – Approved component of the Effisus Ecofacade Envelope system.  
Easy to install – No need for special tools.

### Technical Characteristics

Testing Method	Results
Material	EPDM acrylate solvent-free adhesive tape
Temperature resistance	-40°C to 100°C
Grommet sizes	Effisus Tight KF Grommet – single cable – for cable diameters between 6 – 320mm
Grommet sizes	Effisus Tight2 KD Grommet – twin cable – for cable diameters between 6 – 320mm
Grommet sizes	Effisus Tight+ KM Grommet – for cable diameters between 6 -12mm – 140mm x 140mm

### Supplying Information

Please contact Effisus for supplying information as this will vary depending on sizes and configurations.



# Consulting



# CONSULTING / BESPOKE SOLUTIONS

Each project is unique.  
Each intervention is decisive.  
Each phase is crucial.

Effisus solutions combine in an innovative and balanced way Efficiency and Sustainability, promoting integrated systems with high added value and superior quality. The Effisus Consulting services are the ultimate added value throughout the whole process, by providing comprehensive support every step of the way, to every project intervention with attention to every detail – the key to complete success.

Our unique market approach and innovative thinking, together with our engineering and construction experience on envelope weatherproofing systems, allows us to offer the best solution and support to the challenges that owners, architects, contractors, engineers, and inspectors face throughout the entire construction process, achieving:



**UNBEATABLE  
QUALITY**

State-of-the-art  
solutions



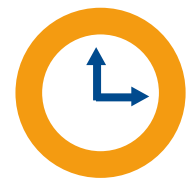
**MAJOR  
EFFICIENCY**

Solutions optimized for  
the project requirements  
and reality



**ECONOMIC  
PROFITS**

Error free solutions  
Maximum durability



**TIME AND  
LABOUR  
SAVINGS**

Faster and simpler  
installation



From the initial concept to project closeout, we support our customers, always considering each customer's specific needs and unique project requirements, in a close collaboration providing:



**EFFISUS**

- |   |   |  |  |
|---|---|--|--|
| <ul style="list-style-type: none"> <li>• Analysis of project scope</li> <li>• Presentations of technical solutions &amp; case studies</li> <li>• Visits to existing projects</li> </ul> | <ul style="list-style-type: none"> <li>• Analysis of project requirements</li> <li>• Development of bespoke solutions</li> <li>• Project detailing - including interfaces with other solutions</li> <li>• Cost estimates</li> <li>• Mock-ups</li> <li>• Compability tests</li> <li>• Assistance on prototype testing</li> <li>• Development of project oriented installation manuals</li> </ul> | <ul style="list-style-type: none"> <li>• Training of project managers and crew on site</li> <li>• Project oriented installation manuals</li> <li>• Monitoring plans</li> <li>• Inspections on site</li> <li>• Monitoring reports</li> <li>• Technical assistance on site</li> <li>• Analysis of deviations and proposal of improved solutions</li> </ul> | <ul style="list-style-type: none"> <li>• Final inspections &amp; reports</li> <li>• Maintenance plans</li> <li>• Issuing of warranties</li> <li>• Experience backup</li> </ul> |
|---|---|--|--|

**STAKEHOLDERS**





[www.effisus.com](http://www.effisus.com)