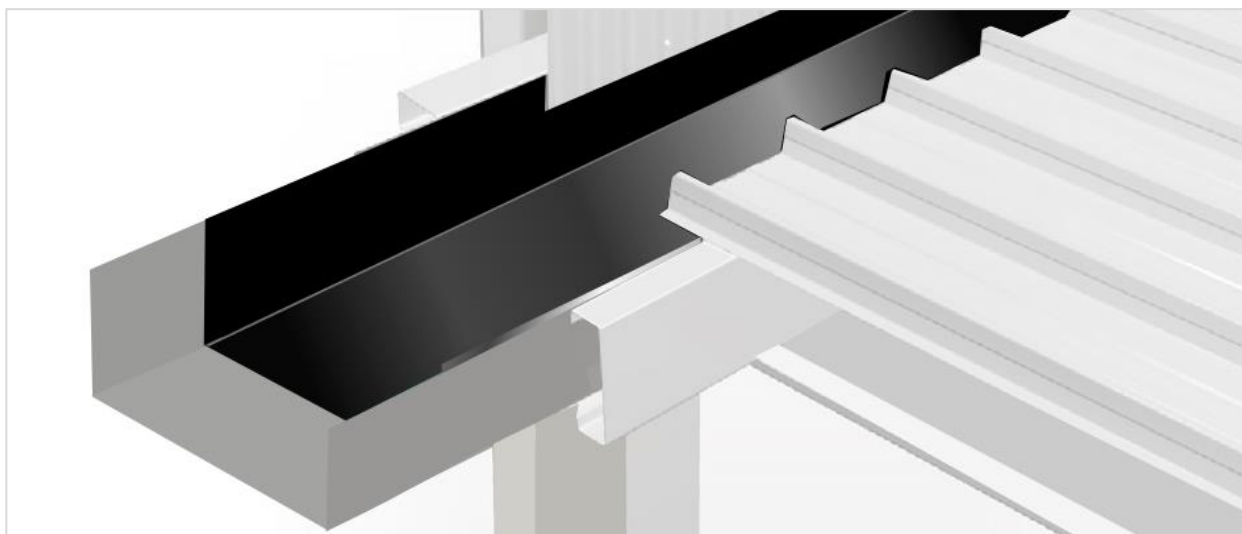


EFFISUS ALLTITEGUTTER - WATERPROOFING LINER FOR GUTTER REPAIRS

An innovative gutter waterproofing liner for gutter repairs based on a self-adhesive EPDM membrane, scrim-reinforced, strong and dimensionally stable.



SYSTEM COMPONENTS:

- | | | |
|----|---|--------|
| 1. | Effisus Alltitegutter Membrane
Waterproofing self-adhesive, scrim-reinforced, EPDM membrane | Page 2 |
| 2. | Effisus Bond FT Tape
Uncured EPDM membrane laminated to an adhesive pressure sensitive tape for sealing of overlapping joints between the Effisus Alltitegutter Membrane | Page 3 |
| 3. | Effisus Coat SP Primer
Primer for pre-treatment of the Effisus Bond FT Tape or other surfaces before adhering to the Effisus Alltitegutter Membrane | Page 5 |
| 4. | Effisus Primer 9800
Primer for pre-treatment of gutter substrates | Page 7 |
| 5. | Effisus Bonding KF+P Adhesive
Adhesive / sealant for sealing edges of the Effisus Bond FT tape | Page 9 |

EFFISUS ALLTITEGUTTER MEMBRANE

DESCRIPTION

The Effisus Alltitegutter Membrane is a two-ply EPDM membrane, scrim-reinforced with glassfiber. The product is laminated with a self-adhesive backing, covered by a protective foil. The range of use is as waterproofing membrane for gutter waterproofing.

EN-13976 - Flexible sheets for waterproofing – Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet.

TECHNICAL DATA

Characteristic	Value	Expr. of result
Roll length	10lm	-
Standard roll widths	600, 1000, 1600mm	-
Thickness	1.6mm	-
Reaction to fire, EN 13501-1	Class E	Classification
Watertightness, EN 1928 B	Pass 24h/60 KPa	Pass/Fail
Tear resistance, EN 13859-1/B	Cross direction 150N Length direction 150N	≥ MLV
Shear strength of joint, EN 12317-2	200 N/50mm	≥ MLV
Peel strength of joint, EN 12317-2	50 N/50mm	≥ MLV
Impact resistance, EN 12691 A/B	250mm (A), 1000mm (B)	≥ MLV
Tensile strength, length direction, EN 13859-1/A	600 N/50mm	≥ MLV
Tensile strength, cross direction, EN 13859-1/A	600 N/50mm	≥ MLV
Resistance to static loading, EN 12730 (Method B, 24h/20kg)	≥ 20 kg	≥ MLV
Durability water tightness after artificial ageing, EN 1296 (12 weeks); EN 1928 (24h/60kPa)	Pass (12 weeks; 24h/60kPa)	Pass/Fail
Durability water tightness against chemicals, EN 1847 (28d/23°C); EN 1928B (24h/60kPa)	Pass (28d/23°C; 24h/60kPa)	Pass/Fail
Dangerous substances	No dangerous substances	MDV
Weight (1.6mm)	1.9kg/m ²	-
DS-value	98m	-

MDV = Manufacturer's Declared Value; MLV = Manufacturer's Limiting Value

OTHERS

Storage

Store vertically, cool and dry in the original packaging. Store away from combustion sources and open flames. The shelf life is 12 months in unopened packaging.

Version

V 1.2 – MD – 07/07/2022

EFFISUS BOND FT TAPE

DESCRIPTION

Effisus Bond FT Tape consists of an uncured EPDM membrane that has been laminated to a pressure-sensitive tape adhesive of 0,64 mm thickness, integrating a proven peel & stick technology. The Effisus Bond FT tape is extremely flexible, malleable and can be formed to fit irregular shapes and surfaces.

Once cured, the tape is highly resistant to moisture, UV, temperature variations, and structural movements.

TECHNICAL DATA

Technical data		
Typical Physical Properties and Characteristics		
Base Polymer (Flashing & Tape)	EPDM	FTIR
Colour*	Black	Visual
Nominal Thickness	1,78mm	
Tensile Strength (uncured)	250 psi max.	ASTM D 412 Die C
Elongation (uncured)	600% min.	ASTM D 412
Ozone Resistance	No Cracking	ASTM D 1149
Peel Strength	10 pli @ 21°C	ASTM D 413
Sheer Strength	20 psi @ 21°C	ASTM D 816
Brittleness Temperature	- 46°C	ASTM D 2137

NOTE: The foregoing information is published as general information only.

* It is available in white colour. See respective technical data sheet.

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Basic Use

Effisus Bond FT tape is ideal for sealing flashing details on roofs and facades such as:

- Overlay at T-joints, corners, pipes, and penetrations
- Skylights
- Facade
- Chimneys
- General purpose flashing
- Large round ducts

Surface Preparation

All work surfaces should be clean, dry, and free of dirt, dust, debris, oils, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven. If necessary, clean the surface with the Effisus Cleaner.

Application

Apply the Effisus Primer for EPDM to the entire surface to be covered following the instructions on the respective Technical Data Sheet.

Once the primer is dry install Effisus Bond FT Tape. Position the tape over the primed area and remove the release liner gradually. Press down and form Effisus Bond FT Tape by hand. Roll the flashing with a 50mm wide silicone roller.

Seal edges of the tape with a bead of 8mm diameter of Effisus Bonding KF+P Sealant.

Features	Benefits
Resistance to UV light, high heat and moisture	Long-term durability
Excellent adhesion and formability	Flashing details with proven peel-n-stick technology
No torch or liquid adhesives	Improved safety
Fast installation	Saves time and labour
Waterproof detail	Suitable for roofing or waterproofing applications

Limitations

Not for use on PVC roof membranes.

Not for use in high traffic areas.

On TPO surfaces it is necessary to use Effisus Coat SP primer.

Storage and Shelf Life

Store material in original unopened packaging at temperatures between 4°C and 43°C.

Shelf life is 9 months when stored as recommended.

Packing

Widths	Length
15,25 cm	15 m
30,50 cm	15 m
47,50 cm	15 m

Safety

Avoid prolonged contact with skin.

Before working with this or any product consult the Material Safety Data Sheet (MSDS) for necessary health and safety precautions.

Version

V 1.4 – MD – 30/06/2022

EFFISUS COAT SP PRIMER

DESCRIPTION

Effisus Coat SP Primer is a rubber polymer based primer. Unlike thin primers that run and puddle, the high viscosity formulation promotes uniform coverage on both horizontal and vertical surfaces. Effisus Coat SP Primer does not react with atmospheric moisture allowing it to be opened and resealed for use at a later date.

TECHNICAL DATA

Typical Physical Properties and Characteristics	
Colour	Translucent/off-white
Solids Content	15%
Coverage rate	18.6 - 23.2m ² per liter
Content	0.95l
VOC Content	675 grams per liter
Application Properties	
Application Temp.	-18°C to 43°C

NOTE: The foregoing information is published as general information only. The listed properties and performance characteristics are typical values and are not to be interpreted as manufacturing specifications.

Features	Benefits
High viscosity formula	Provides uniform coverage, no running or puddling
Fast drying	Speeds installation
Excellent adhesion to a variety of substrates (EPDM, TPO, metals, wood, and concrete)	Suitable for a wide variety of applications
Unique polymeric formulation	Long term durability

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Limitations

Do not use as a membrane cleaner.

Talc, dust, oil, ice, snow, or wet conditions inhibit good adhesion. Clean and dry surfaces are a necessity.

Not for use on PVC roof membranes.

Do not use on extruded or expanded polystyrene insulation.

At installation temperatures below 4°C care must be taken to prevent the formation of condensation on surface of the primer.

Basic Use

Effisus Coat SP Primer is used to prime EPDM and TPO membranes to provide improved adhesion to the Effisus family of EPDM tapes and sealants. Effisus Coat SP Primer is an excellent choice for priming concrete, OSB, plywood, and metal surfaces.

Surface Preparation

All work surfaces should be clean, dry, free of dirt, dust, debris, oils, un-adhered coatings, deteriorated membrane and other contaminants that may result in a surface that is not sound or is uneven. If necessary, clean the surface with the Effisus Cleaner or similar prior to application of Effisus Coat SP Primer.

Storage and Shelf Life

Store material in original unopened containers at temperatures between 4°C and 32°C.

Shelf life is 12 months when stored in unopened container.

Safety

Prior to working with this or any adhesive product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions.

APPLICATION

- Thoroughly shake or stir Effisus Coat SP Primer prior to use and re-stir every 15-20 minutes during use. Note: product may exhibit an “apple sauce” type texture even after agitation. This appearance is normal and will not adversely affect the product’s performance.
- Do not dilute or extend Effisus Coat SP Primer.
- Surfaces should be dry and clean before applying Effisus Coat SP Primer. EPDM and TPO surfaces should be cleaned with a suitable solvent such as mineral spirits or VM&P naphtha if necessary prior to priming. Observe all manufacturers’ safety precautions and use recommendations when using solvents. Do not smoke while working with primer.
- When the surfaces are dry, apply Effisus Coat SP Primer with a fully saturated brush or scouring pad. The surface should appear wet during application. Apply primer to a wider area than the actual bonding area to ensure complete coverage. If using a scouring pad, be sure that it is free of excessive dust from EPDM membranes. Replace pads often. Do not overwork primer.
- Allow primer to dry completely (typically less than 20 minutes) before applying tape. Primer will visually appear “dull” or “flat” and will feel dry to the touch. Drying conditions will vary depending on ambient air conditions. NOTE: Use caution when installing at temperatures below 5°C to prevent blushing of Effisus Coat SP Primer (formation of condensation on the surface of primer).
- When not in use, keep lid on primer to prevent solvent evaporation. When finished, secure lid and store primer as recommended for use at a later date.
- Once the seam or flashing is installed the primer will take up to 48 hours to wet-out the tape surface and build full strength. Any peel tests on installed seams or flashings should not be conducted until at least 24 hours after installation.

Version

V 1.2 – MD – 08/07/2022

EFFISUS PRIMER 9800

DESCRIPTION

Effisus Primer 9800 is a polymer based primer for consequente use with self-adhesive Effisus Alltitegutter membrane, and for priming porous substrates.

TECHNICAL DATA

Typical Physical Properties and Characteristics	
Base	Primer based on a synthetic rubber and synthetic resins, dissolved in inflammable organic solvents.
Colour	Black
Volume	5 l/un
Weight	4,2kg/un
Viscosity (20°C)	900 ± 100 Pa.s
Flash point	< 0°C
Solids	36,3%
Density (20°C)	840 ± 10 kg/m ³
Coverage rate	125-250g/m ² depending on substrate
Application temperature	> +5°C Effisus recommends preheating the adhesive when applying at temperatures between 5°C and 15°C, to improve efficiency.

APPLICATION

- Effisus Primer 9800 is ready-for-use and must not be thinned or mixed with other products.
- The material and the substrate to be glued must be dry and clean.
- Effisus Primer 9800 should be applied in a thin even layer with a stiff brush or roller. Before unrolling the membrane, check that the primer is totally flashed off.
- Maximum open time is 3 hours. Effisus Primer 9800 may only be used in dry weather conditions, no moisture shall be enclosed between the primer layer and the self-adhesive membrane. When Effisus Primer 9800 was exposed to precipitation, moisture, and dirt, a new layer shall be applied.

OTHERS

Advantages

Dust and loose particles are bonded
Increase the adhesion and water-resistance of the bond
Decrease the minimum process temperature
Quick drying of the primer layer.

Suitable substrates

Concrete, wood, metal or insulation with facing intended for bonding (check technical data sheet insulation).

Limitations

It is not suitable as a primer for EPS, XPS and plasticized PVC foil.

Cleaning

Equipment and tools can be cleaned with Effisus Cleaner or similar, immediately after use.

Storage and Shelf Life

Store material in original unopened containers in a well ventilated place.

Shelf life is 12 months when stored in an unopened container.

Safety

Prior to working with this product consult product label and Safety Data Sheet (SDS) for necessary health and safety precautions. Effisus Primer 9800 is highly flammable. Keep away from open fire.

Version

V 1.3 – MD – 11/07/2022

EFFISUS BONDING KF+P ADHESIVE

DESCRIPTION

Effisus Bonding KF+P Adhesive is a single component adhesive / sealant based on PDMS polymer, solvent-free, for bonding / sealing EPDM and butyl to concrete, masonry, wood, glass, aluminium, steel and bitumen or lap joint connections.

TECHNICAL DATA

Technical characteristics	
Base	PDMS polymer
Colour	Black / White
Viscosity	Pasty
Mechanical Properties	Elastic
Curing	Moisture curing
Density	1.23 g/cm ³
Recommended minimum layer thickness	1 mm
Skin formation	8 min
Tear strength	0,55 N/mm ²
Elongation	150%

OTHERS

Processing guidelines

Surface temperature between -5°C to +35°C. Do not seal on wet or frozen ground.

Do not use with temperatures below -5°C.

Low temperatures can cause a temporary increase in viscosity resulting in reduced extrusion and slower curing rates.

Preparation

The surfaces must be dry, clean and free of dust and grease. Use the Effisus Cleaner or similar. Pretreatment may be recommended.

Apply the EPDM or butyl material to adhere/seal immediately, after 7 minutes at the latest and press. The exact waiting time depends on room temperature, film thickness and absorbency of the substrate.

Due to the different compositions and qualities of foils, preliminary tests are recommended.

Packaging

600ml Sausage (Carton of 12 pieces)

OTHERS**Cleaning**

Clean tools immediately after use. Once cured, the material can only be removed mechanically. Use the Effisus Cleaner or similar.

Storage

Store in original containers, at temperatures between +15°C and +35°C, and not for more than 12 months.

Safety

Please notice the indications on the Safety Data Sheet and the safety indications on the labels of each product for the treatment of our products. The valid safety regulations must be respected.

Version

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