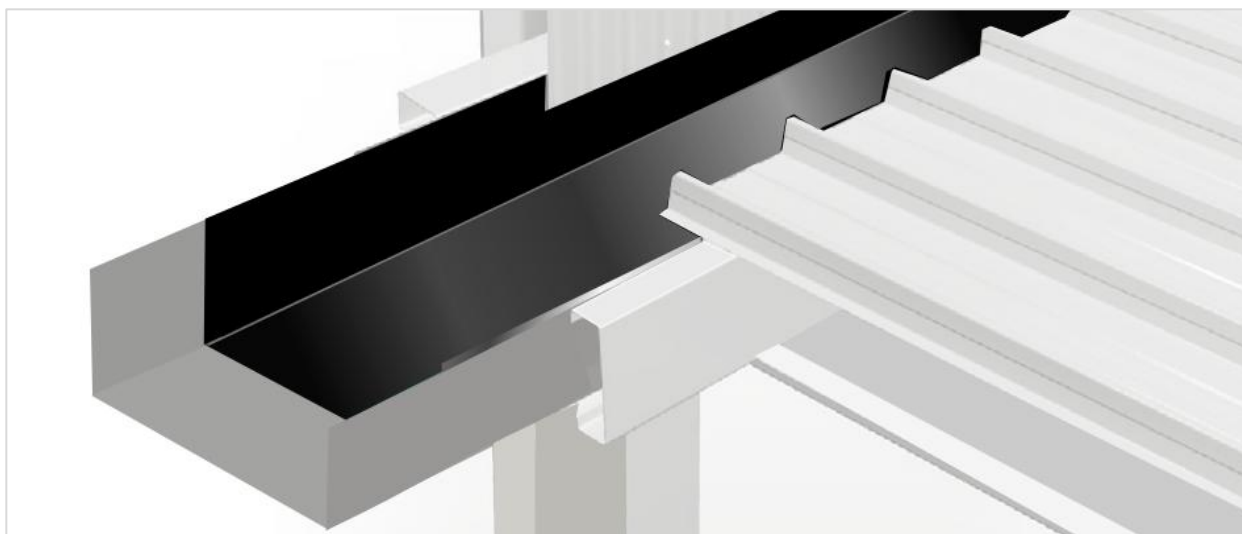


EFFISUS ALLTITEGUTTER - WATERPROOFING LINER FOR GUTTER REPAIRS

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



SYSTEM COMPONENTS:

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

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.

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 12310-1	Cross direction 150N Length direction 150N	≥ MLV
Shear strength of joint, EN 12317-2	200 N/50mm	≥ MLV
Peel strength of joint, EN 12316-2	50 N/50mm	≥ MLV
Impact resistance, EN 12691 A/B	250mm (A), 1000mm (B)	≥ MLV
Tensile strength, length direction, EN 12311-1	600 N/50mm	≥ MLV
Tensile strength, cross direction, EN 12311-1	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

APPROVALS, CERTIFICATES & SPECIFICATIONS

CE: EN 13967 - Flexible sheets for waterproofing - Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet.

EN 14909 - Flexible sheets for waterproofing. Plastic and rubber damp proof courses.

EN 13984 - Flexible sheets for waterproofing. Plastic and rubber vapour control layer.

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.

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

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
Service Temperature	- 40°C to 93°C	ASTM D 3359

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

OTHERS

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
- Metal edge tie-in

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 LV.

Application

Clean the entire surface where the Effisus Bond FT tape will be applied.

Apply the Effisus Primer RED+ to the entire surface to be covered, following the instructions on the Effisus Bond FT application manual or the information on the Technical Data Sheet of the Effisus Primer RED+.

NOTE: Use caution when installing at temperatures below 4°C to prevent blushing of the Effisus Primer RED+ (formation of condensation on surface of primer).

Once the primer is dry to the touch, install Effisus Bond FT Tape immediately.

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 the edges of the tape with a bead of 5mm diameter of Effisus Bonding KF+P adhesive 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.

Talc, dust, oil, ice, snow, or wet conditions inhibit good adhesion. Clean and dry surfaces are necessary for proper installation of this product.

Storage and Shelf Life

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

Shelf life is 12 months when stored as recommended.

Packing

Widths	Length
15,25 cm	15 m
30,50 cm	15 m
45,70 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.

EFFISUS Primer RED+

DESCRIPTION

EFFISUS Primer RED+ is a highly viscous ready-to-use product, it is used for priming substrate for a variety of weatherproofing membranes, its adhesion plus technology enables it to be used on both horizontal and vertical substrates like concrete, OSB, Plywood and Metal surfaces.

TECHNICAL DATA

Technical data	
Type of product	Rubber Polymer based primer
Appearance	Red
Solid Content	14.0% - 16.5%
VOC Content	672.1 g/L
Density	0.79 g/cm ³ or 790 g/L
Application Temp.	-18°C to 43°C (< 5°C)*
Coverage Rate	6.75 m ² /L
Shelf life	12 months if stored cool in unopened packing.
Package	1 L/Un/Can

Applications

1. EFFISUS Primer RED+ is a ready-to-use primer so do not dilute the primer, just shake /stir it well before use (every 20 minutes for maximum performance).
2. The substrate must be dry and cleaned before applying, if any previous adhesive is found use EFFISUS cleaner LV.
3. When the surface is ready apply EFFISUS Primer RED+ with a scouring pad or a stiff brush, the surface should appear wet to look.
4. Apply the primer evenly and to a wider area than the actual application area to ensure full bonding.
5. Depending upon the ambient temp. allow the primer to dry for at least 15 -20 minutes and before applying the membrane ensure it is dry but tacky to the touch and has a glossy appearance.(Do not over work the primer)
7. For fold-back areas application, apply the primer on the membrane surface in contact first, let it dry and then hold it in the desired position with pressure for some time.
8. After application Primer will take around 24-48 hrs to build up full strength, therefore any peel test must be conducted after 24 hrs for proper results.
9. Prevent evaporation of the solvent by closing the lid of the can when not in use, Once the can is open, use it completely as it will have a limited useful life.

*NOTE: Use caution when installing at temperatures below 5°C to prevent blushing of the primer (formation of condensation on the surface of primer).

OTHERS

Advantages

- | | |
|---|--|
| <ul style="list-style-type: none">• Adhesion Plus Technology• Quick Drying Primer• High Viscosity• Long-Term Durable• Color Enhanced –RED | <ul style="list-style-type: none">• Provide maximum adhesion to all surfaces.• Gets the job done quickly.• Promotes uniform coverage.• Unique polymetric formulations promote Longevity.• For Ease and clarity in the application. |
|---|--|

Limitations

- Not suitable for PVC or TPO surfaces
- The primer will not show good adhesion if the surface has Talc, dust, oil, ice, snow, or wet conditions.
- Highly Viscous formulation- easy to apply evenly
- Do not use it as a membrane cleaner.
- Do not use extruded or expanded polystyrene insulation.
- At installation temperatures below 5°C care must be taken to prevent the formation of condensation on the surface of the primer.

Storage And Shelf Life

- The primer should be stored in original unopened packaging at temp. between 5 °C to 32 °C
- The primer shelf life is 12 months when stored in proper conditions (dry and away from sunlight)

Safety

- Prior to working with the product consult the product label and safety data sheet for necessary health and safety precautions.
- Keep away from children and open fire.

FOR DETAILED INFORMATION AND ADVICE OUR TECHNICAL SALES STAFF ARE ALWAYS PLEASED TO BE OF SERVICE.
All information in this leaflet is based on our practical experience and reliable laboratory evaluations. Nevertheless, we cannot assume any responsibility for its use, the circumstances under which the products are stored, handled and used are beyond our control.

EFFISUS PRIMER 9800

DESCRIPTION

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

TECHNICAL DATA

Technical Data	
Base	Primer based on a synthetic rubber and synthetic resins, dissolved in inflammable organic solvents.
Colour	Black
Consistence	Liquid
Viscosity (20°C)	900 ± 100 Pa.s
Density (20°C)	840 ± 10 kg/m ³
Flash point	< 0°C
Solids	36,3%
VOC Content	532,3 g/l
Coverage rate	125-250g/m ² depending on substrate
Application temperature (weather conditions)	> +5°C (check Application Method notes below)

ADDITIONAL INFORMATION

Storage

Store material in original unopened containers in a well ventilated place and dry storage place at temperatures in between +5°C and 30°C. Keep away from direct sunlight.

Shelf Life

18 months.

Safety

Product is extremely flammable packed in pressurized cannister. Keep away from open fire.

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

Application Method

All the surfaces, should be clean, dry, and free from oil and grease prior to primer application with Effisus Cleaner or similar. Equipment and tools can be cleaned with Effisus Cleaner or similar, immediately after use.

Effisus Primer 9800 is ready-for-use and must not be thinned or mixed with other products.

The primer can only be applied in dry weather conditions at temperatures in between +5°C and 30°C.

The temperature of the primer shall be >15°C when applying, which means that at temperatures between 5°C and 15°C Effisus recommends to pre-heat the primer to a maximum of 30°C prior to use.

Effisus Primer 9800 should be applied in a thin even layer with a stiff brush or roller. In case of porous substrates, the primer shall be applied twice. Let the first layer flash off before applying the second layer. 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. If Effisus Primer 9800 was exposed to precipitation, moisture, and dirt, a new layer shall be applied.

Before unrolling the membrane, check that the primer is totally flashed off.

Attention: Maximum open time is 3 hours.

ADDITIONAL INFORMATION (cont.)

Delivery units

5L/can = 4,2kg/can

Suitable substrates

Primer 9800 can be used on substrates such as: wood, concrete, cellular concrete, steel, bitumen and suitable insulation boards.

Not to be used on EPS, XPS and softened PVC membranes.

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.

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.

Cleaning

Clean tools immediately after use.

Once cured, the material can only be removed mechanically. Use the Effisus Cleaner LV or similar.

Storage

Store in original unopened 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.

Packaging

600ml Sausage (Carton of 12 pieces)