

## EFFISUS TITEGUTTER3

### DESCRIPTION

The Effisus Titegutter3 is an integrated industrial gutter joint sealing system with 3 waterproofing levels. The system is composed by the Effisus 2Bond DS Tape, overlaid by the Effisus Ecofacade Membrane with 1.3mm thickness adhered to the gutter surface and closed with the Effisus Bonding KF+P Adhesive.

### 1. EFFISUS ECOFACADE MEMBRANE

Elastomer sheet for waterproofing from Ethtlen-Propylen-Dien-Terpolymer (EPDM), homogeneous, cured, non-backed.

### TECHNICAL DATA

Technical data	Standard	Unit	Value	Expression of results
Thickness	EN 1849-2	mm	1.30	
Length		m	≥ 20	MLV
Width		mm	100 – 1300 ±0,02%	MDV
Mass per unit area		g/m <sup>2</sup>	1625 ± 25%	MDV
Reaction to fire	EN 13501-1		Class E	
Resistance to water passage	EN 1928 B		W1	
Water vapour propertires μ	EN 1931	-	≥ 60.000 ± 20.000	MDV
UV Resistance	EN 13859-2		Pass	
	2.500 h. ca. 4500 MJ		Pass	
Resistance to air passage	EN 12114	m <sup>3</sup> /(m <sup>2</sup> xh x50 Pa)	≤ 0,1	MLV
Tensile strength	EN 12311-1	N/50mm	≥ 450	MDV
Elongation	EN 12311-1	%	≥ 500	
Tear resistance	EN 12310-1	N	≥ 90	MDV
Dimension stability	EN 1107-2	%	≤ 0,5	MLV
Foldability at low temperature	EN 1109	°C	≤ -30	MLV
Weathering by combined continuous stress through UV-exposure and high temperature according to appendix C	Tensile strength	N/50mm	567 ± 90	MDV
	Elongation	%	450 ± 15%	MDV
	Resistance to water passage		W1 - Pass	

## 2. EFFISUS 2BOND DS TAPE

Effisus 2Bond DS is a double-side adhesive and sealant tape based on innovative and advanced technology active sealants. Developed to permanent water seal two or more substrates and seal any kind of nail, screw or steel anchor perforations on a substrate or a membrane.

Suitable for use in a wide range of construction substrates including concrete, metal, galvanized steel, coated and non-coated aluminum, polycarbonate, gypsum and OSB boards, wood, ceramic tiles, brick, masonry, fiberglass, EPDM, SBS, APP modified, PP, PE, polystyrene, etc.

Based on the chemical arrangement of thermoplastics and non-curing Rubber (not butyl) with a primer encapsulated. Effisus 2Bond DS is permanently elastic and flexible between 93°C and -57°C.

### TECHNICAL DATA

Technical data	
Standard roll sizes (width) <sup>a)</sup>	15mm, 25mm, 50mm and 76mm
Standard roll sizes (length)	15.25 lm
Total thickness	Standard 30 mils (0.77mm) or 60 mils (1.54mm)
Elongation	> 500% ± 100
Water Penetration EN 1928	W1
Water vapour test (ASTM 96B)	0.005grs/254cm <sup>2</sup> /24hrs/37°C
Temperature flexibility range	-57°C to >+93°C
Low temperature flexibility	12.7mm radius at -34.4°C
Shear resistance EN 12317-2 <sup>b)</sup>	> 81 (N/50 mm)
Elongation at Break EN 12317-2	18 mm
Pliability	No cracks in membrane
Application temperature	66°C to -29°C ambient

Notes

a) Upon client request is possible to deliver widths multiple of 5mm up to 1219mm.

b) Test performed on aluminium substrate.

### OTHERS

#### Surface Preparation

The surface must be cleaned with Effisus Cleaner or similar. Remove any dust, debris, oil and grease and other contaminants.

At temperatures below 5°C treat the surface with Effisus Coat SP Primer.

#### Application

Remove one side of the 2Bond DS tape release liner and adhere it to the surface. Apply pressure with a silicone roller to the bonding area. Remove the second release liner and adhere the second surface to the tape. Apply pressure again with a silicone roller.

The use of the roller is very important to activate the adhesion and ensures a uniform bonding area.

### 3. ADHESIVE EFFISUS BONDING KF+P

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
Viscosity	Pasty
Mechanical Properties	Elastic
Curing	Moisture curing
Density	1.23 g/cm <sup>3</sup>
Recommended minimum layer thickness	1 mm
Skin formation	8 min
Tear strength	0,55 N/mm <sup>2</sup>
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 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

V 1.4 – MD – 12/07/2022