

Effisus Titegutter3

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.



ACCESSORIES · Effisus Ecofacade · Effisus 2Bond DS · Effisus Bonding KF+P

Effisus Ecofacade



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

Technical data

Essential characteristics	Method	Result
Thickness	EN 1849-2	0,60/ 0,75/ 1,00/ 1,30/ 1,50 (mm) (-5% / +10%)
Length	EN 1848-2	≥ 20 (lm)
Width	EN 1848-2	100 – 1300 ± 0,2%
Density	EN 1849-2	0,700/ 0,875/ 1,180/ 1,575/ 1,815 (kg/m2)
Watertightness	EN 1928 A	W1 (passed)
Airtightness	EN 12114	≤ 0,1 m3/(m2h)(50Pa)
Water vapour permeability μ	EN 1931	60.000 ± 18.000
Tensile strength	EN 12311-2 B	≥ 8.5 N/mm²
Tensile elongation	EN 12311-2 B	≥ 350%
Resistance to nail tearing	EN 12310-1	≥ 70/ ≥ 80/ ≥ 90/ ≥ 110/ ≥120 (N)
Fire reaction	EN 13501-1	Class E
Resistance to artificial ageing	EN 1296 EN 1931	In accordance

Effisus 2Bond DS



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 EPDM, TPO, most PVC¹⁾, CSPE/ Hypalon, CPE, SBS, APP modifieds, asphalt BURs, coal tar BURs, tiles, shingle, coated and non-coated aluminum and metal roofs, galvanized steel, gypsum board, wood, polyethylene, propylene, polystyrene, fiberglass, brick, concrete, masonry, OSB board, shielding membranes, 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

Essential characteristics	EFFISUS 2BOND DS
Standard roll sizes (width) ^{a)}	15mm, 25mm, 50mm and 76mm
Standard roll sizes (length)	15.25 lm
Thickness	0.77mm or 1.54mm
Elongation	>500% ± 100
Water penetration (EN 1928)	W1
Water vapour test (ASTM 96B)	0.005grs/ 254cm2/ 24h/ 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) ^{b)}	> 81 (N/50 mm)
Elongation at Break (EN 12317-2)	18 mm
Pliability	No cracks in membrane
Application temperature	-29°C to 66°C ambient

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

^{b)} Test performed on aluminium substrate.

¹⁾ Most PVC – Prior to any application of Effisus 2Bond DS Tape on PVC substrates, the compatibility between Effisus 2Bond DS Tape and the PVC substrate must be confirmed by Effisus Technical Team.

Others

Use on concrete

Effisus 2Bond DS Tape has exceptional properties even when applied on porous surfaces such as concrete. This adhesion capability allows the sealing of weatherproofing wall and roof membranes onto a concrete substrate.

Technical data

Shear resistance (EN 12317-2)	108 (N/50 mm)
Elongation at break (EN 12317-2)	50 mm

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 RED+ 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.

Effisus 2Bond DS Tape also can be used to seal any nail/screw penetrations. Create a patch size 50x50mm of Effisus 2Bond DS. Remove the first tape release liner and adhere it to the first surface. Remove the second tape release liner and adhere it to the second surface. Then screw or nail both surfaces.

It is also possible to create a rope or a putty to seal joints or gaps with irregular shapes, openings and steel anchors. Remove both release liners and roll them into a rope. Place over the zone to treat.

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

Essential characteristics	EFFISUS BONDING KF+P
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)