

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.



Effisus 2Bond DS

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 -57°C and 93°C.

Technical data

Essential characteristics	Result
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/ 254cm ² / 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/50mm)
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 or Effisus Coat NP 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.