

INSTALLATION AND CONSUMPTION – EFFISUS 2BOND DS TAPE

1. Summary

Effisus 2Bond DS Tape is a double-sided adhesive tape with a removable siliconized release liner on each side. Designed to bond two surfaces, even two surfaces made of two or more dissimilar materials.

Effisus 2Bond DS Tape creates a tight, permanent, air and waterproof seal.

Effisus 2Bond DS Tape remains flexible to temperatures as low as -57°C making it virtually impossible to thermally shock the seal causing a leak. Effisus 2Bond DS Tape to a wide range of surfaces including EPDM, TPO, most PVC, 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.

Effisus 2Bond DS Tape is self-sealing and after it fuses to the penetrating screw or nail shank, over time, it will not shrink away from it.

2. Usage Scope

In General: Repair and sealing between two different or similar materials.

3. Presentation and Product Details

3.1 Effisus 2Bond DS Tape

Double-sided adhesive tape.

Waterproofing and UV resistant self-adhesive membrane.

Identification: label with product name, width and length.

Available widths: 25mm, 50mm, 100mm, 150mm, ..., to 1000mm.

Roll length: 15.25m.

Characteristics: See table.

Technical data	
Adhesion	8.64 kg/ in width
Application temperature	66°C to -29°C ambient
Available widths	Up to 121.9cm as special order
Dielectric strength	Exceeds 12KV
Elongation	> 500% ± 100
Insulation resistance	10 to the 6th power megahoms
Low temperature flexibility	12.7mm radius at -34.4°C
Permanence	0.001 perms maximum
Pliability	No cracks in membrane
Shelf life	Up to 5 years
Standard case quantity	30.5 sq. Meters per case
Standard roll sizes	1.5cm, 2.5cm, 5cm, and 7.6cm x 15.2m
Temperature flexibility range	-57°C to >+93°C
Total thickness	Standard 30 mils (0.77mm) or 60 mils (1.54mm)
Water vapour test (ASTM 96B)	0.005grs/254cm ² /24hrs/37°C

4. Accessories

4.1 Effisus Coat EP Primer

Used to prime porous substrates before the application of the Effisus 2Bond DS Tape.

4.2 Effisus Setup EC Cleaner

Used to clean smooth, non porous, substrates before the application of the Effisus 2Bond DS Tape.

5. Production, marketing and technical solution

Up-Way Systems is the Effisus 2Bond DS Tape and Accessories supplier.

Under industrial control, laboratory testing of the manufactured goods is performed and continuously recorded. This control is subject to external periodic inspection.

6. Installation instructions

6.1 General Guidelines

It is the end user's responsibility to ensure the quality of the installation, by following the installation instructions in this document and by periodically checking the installed materials.

Upon request, Up-Way Systems is available to train working staff.

6.1.1 Storage

The Effisus 2Bond DS Tape rolls and system accessories should be stored on hard, clean and dedicated stand, in a place that can protect them from extreme weather conditions, and be kept within temperatures of 5°C and 20°C.

6.1.2 Installation conditions

The Effisus 2Bond DS Tape should be applied using the accessories mentioned on this document.

The bonding should be made on dry, ungreased, clean and dust free supports. Use Effisus Setup EC Cleaner.

All porous and uneven substrates should be primed with the Effisus Coat EP Primer. Allow the primer to dry completely before the installation of the Effisus 2Bond DS Tape.

In case of rainfall (rain, snow, intense fog and if any risk of condensation is present), the adhesive setting must be stopped.

6.2 Effisus 2Bond DS Tape bonding

To apply the Effisus 2Bond DS Tape, remove one side of the release liner and apply to the surface to be protected or bonded. Rub or roll with pressure using your hand or a steel roller to activate bonding process. Remove the second release liner and apply second surface to tape, applying pressure. Effisus 2Bond DS Tape also can be used as a putty.

Remove both release liners and roll into a rope. Place over gap and mold to seal opening. This material may be applied to clean dry surfaces from 66°C to -29°C ambient. Treat surface with Effisus Coat EP Primer for installations from 5°C to -29°C ambient.



Fig. 1 – Effisus 2Bond DS Tape

6.3 Overlapping

The overlapping minimum is of 100mm.

7. Repairs

Any repairing should be made using Effisus 2Bond DS Tape and system accessories, under Up-Way Systems' approval.

8. Compatibility

The Effisus 2Bond DS Tapes are compatible with the materials used in classical construction, however, if in doubt perform a compatibility test and consult with Up-Way Systems.

Every time that Effisus 2Bond DS Tapes are to be used in aggressive atmospheres (shops, laboratories, ...) Up-Way Systems must be consulted.

Version

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3/3