

# IVT-Safe

Permeable PES façade course with high UV and temperature resistance

The IVT-Safe premium façade course brings a new safety dimension in building physics to façade construction. It ensures reliable, permeable long-term protection for curtain-wall and back-ventilated façade structures. Its innovative, monolithic, weather-resistant special coating prevents shadow joints from becoming safety gaps. Thanks to its durable UV protection coating, it can be used for joints up to a width of 50 mm and an open joint component of up to 40%. Moisture and wind are

safely kept at bay without inhibiting the façade's "breathing". Its good protective properties and high temperature resistance ensure perfect long-term functionality of the building envelope in according with all regulations of DIN.



IVT-Safe provides perfect all-round protection for façades and thermal insulation. Its permeability means it can ensure an even moisture balance and optimum protection for modern module façades. Thanks to permanent UV stability and high temperature resistance - from -50° C to +100° C, it enables effective protection against aging and embrittlement. The thermal insulation remains dry and fully functional as defined by EnEV.

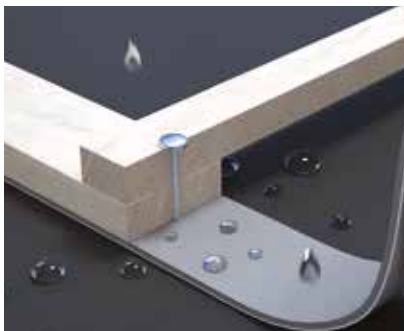
Hard-wearing, highly tensile polyester fleece, functionally optimised with an innovative, monolithic, extremely durable polyurethane special coating. High permeability and maximum UV resistance for protecting the insulation. Resistant to wind, water, driving snow and rain. Highly tear-resistant and quick to lay with standard fasteners. Quick and reliable to bond with 2. integrated self-adhesive strips.



# IVT-Safe. Safety refined.



IVT-Safe. High-quality backing for all curtain-wall and back-ventilated façades with a joint component of max. 40 % and a joint width of max. 50 mm. Optimum reliability for all cladding made from wood, glass, natural stone and plastics. For laying horizontally or vertically directly on the thermal insulation. Extremely temperature resistant from -50° C to +100° C. With its guaranteed 10-year UV long-term stability and high functionality, it protects the thermal insulation against exposure to the weather, without putting a major strain on the supporting structure.



## Technical data

Material:	Highly tear-resistant polyester fleece with monolithic, permeable, but watertight, UV-stable special coating – adhesive strips at both edges.
Version ESB Adhesive-strips material:	Solvent-free adhesive with high adhesive strength as low as -5° C
Mass per unit area:	270 g/m <sup>2</sup>
Roll width/length:	1.50 x 50 m
Roll weight:	20.0 kg
Watertightness, EN 13859-2:	Class W 1
S <sub>d</sub> value, EN 12572/C:	0.02 m
Temperature range:	-50° C to +100° C
Resistance to driving rain:	Resistant to driving rain, test passed TU Berlin
Fire behaviour, EN 13501-1:	Fire class E, flame retardant B 1 according to DIN 4102
Tearing force: EN 12311-1, EN 13859-2:	Lengthwise 320 N/5 cm horizontally 200 N/5 cm
Aging behaviour:	Increased requirements for aging EN 1297, EN 1296 fulfilled up to 100° C

Note: The current technical rules of the ZVDH and the IVT laying guidelines must be observed during work.

## Accessories

### DAWI sealing adhesive

Permanently adhesive and plastic sealing adhesive for airtight joints of vapour barriers and seals on masonry in accordance with DIN V4108-7.

### Adhesive and repair tapes

Adhesive and repair tapes for airtight sealing of cracks, roof penetrations as well as joining zones on underlayer courses and bonding of diffusion foils or vapour barriers.

### Nail sealing tape

If nail sealing tape is not used, moisture can penetrate at the fastening points on the laths through the façade course in the timber construction. Using nail sealing tape allows the elastic foamed plastic to enclose the nail point and even out any irregularities. The moisture cannot enter below the counter laths to the penetrations. This additionally protects the façade course and formwork from moisture.

We expressly reserve the right to make technical changes serving product improvement. 2/2015

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