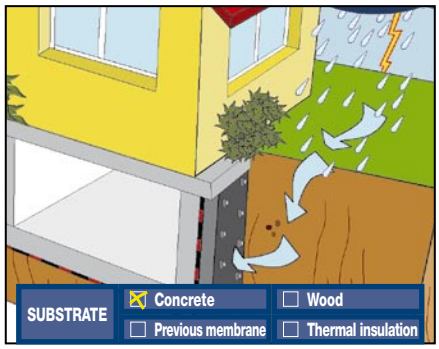
VERTIFLEX SUPERTACK

• VERTIFLEX SUPERTACK POLYESTER

POLYMER-BITUMEN ELASTOPLASTOMERIC WATERPROOFING MEMBRANE THAT CAN BE LAID WITH REDUCED ENERGY CONSUMPTION. ITS LOWER FACE IS COATED WITH A HEAT-ADHESIVE MIX HAVING A VERY HIGH "HOT TACK" (INITIAL ADHESION) , FOR WATERPROOFING FOUNDATION WALLS AND VERTICAL SURFACES

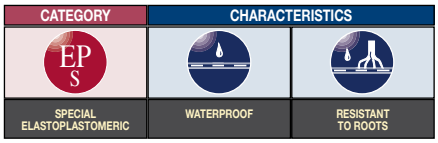
PROBLEM



HOW TO EASILY WATERPROOF VERTICAL SURFACES WITH POLYMER BITUMEN MEMBRANES WITH REDUCED GAS CONSUMPTION

Waterproofing lining operations, with polymer-bitumen membranes, on the different geometries of a building, are more difficult on vertical surfaces. This applies especially to foundation walls, where the operator works in more uncomfortable conditions than those of the flat parts of the roof, more gas is consumed and a larger work force is often required.
The membranes normally used for roofs do not have sufficient hot tack (initial adhesion) for the first part of the sheet glued to the wall to support the rest of the roll being glued, and consequently it is usual to heat them up more so that they don't come unglued from the wall during laying, making the presence of another operator necessary for supporting the roll until the adhesion force reaches sufficiently high values through cooling to keep the membrane in position.

SOLUTION



VERTIFLEX SUPERTACK POLYESTER is the membrane designed by Index to solve waterproofing application problems of foundation walls. In these cases, the membranes to be used mainly for lining roofs, can present greater difficulties which prevent correct execution and adhesion during torching.
The main characteristic of **VERTIFLEX SUPERTACK POLYESTER** lies in the fact that the lower face of the membrane is spread with a special heat-adhesive mix that, when torch heated, develops a much higher tack on the wall than standard roof membranes, high enough for the operator to support the weight of the roll without any help, using less gas and making the laying operations quicker.
VERTIFLEX SUPERTACK POLYESTER is a membrane consisting of a mix containing distilled bitumen, selected for industrial use. A high content of elastomeric and plastomeric polymers is added to it to obtain a polymer bitumen alloy "with phase inversion". The matrix of this alloy, which consists of polymeric components in which the bitumen is dispersed, determines its main characteristics.
VERTIFLEX SUPERTACK POLYESTER benefits from the technical characteristics which established the success of the VERTIFLEX membrane from which it has naturally evolved; like this, in fact, the thickness of the mix is reinforced with a non-woven single strand polyester fabric, which resists punching and tearing. It also has high ultimate elongation and greater than standard thickness, which gives the roll greater support when the operator has to sustain and torch it simultaneously.
The reinforcement is central in the thickness of the membrane and is lined and impregnated with a mix which is softer and more adhesive than the one used for standard membranes. However, it is protected on both faces of the foil with Flamina, a plastic hot-melt film which prevents the rolls from glueing, and also prevents sticking on the top face during heating, when installing on foundation walls and if the membrane is occasionally used on a horizontal surface.
The upper face is embossed in order to promote water drainage, whilst the lower face is spread with an elastomeric heat-adhesive mix, with high adhesion and elasticity also at low temperatures, and protected by a more resistant glossy Flamina film which reduces the tendency of the roll to take on an oval shape during summer time and allows easier unrolling and more regular glueing.

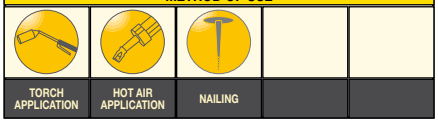
ADVANTAGES

- **Reduces gas consumption**
- **Reduces labour costs**
- **Is glued more quickly**

INTENDED USE OF "CE" MARKING SPECIFIED ACCORDING TO THE AISPEC-MBP GUIDLINES

EN 13969 - BITUMEN DAMP PROOF SHEET INCLUDING BITUMEN BASEMENT TANKING SHEETS

- **Membranes for foundations**
- VERTIFLEX SUPERTACK POLYESTER 3 kg/m²
- VERTIFLEX POLYESTER 4 kg/m²



FIELDS OF USE

VERTIFLEX SUPERTACK POLYESTER is mainly used to facilitate lining of foundation walls, where it provides waterproof, adhesive and resistant protection to tears and perforations, during burying operations.

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Construction Systems and Products

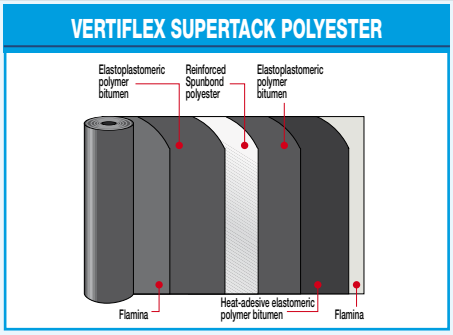
1st DIVISION
2nd LINE

TECHNICAL CHARACTERISTICS

	T	VERTIFLEX SUPERTACK POLYESTER	
Weight (EN 1849-1)	±10%	**3 kg/m²**	**4 kg/m²**
Roll size (EN 1848-1)	≥	1×10 m	1×10 m
Reinforcement		"Non-woven" Spunbond polyester	"Non-woven" Spunbond polyester
Watertightness (EN 1928 - B method)	≥	60 kPa	60 kPa
• after ageing (EN 1296-1928)	≥	60 kPa	60 kPa
Shear resistance (EN12317-1)	-20%	500/300 N/50 mm	500/300 N/50 mm
Maximum tensile force Long./Trasv. (EN 12311-1)	-20%	600/400 N/50 mm	600/400 N/50 mm
Elongation (EN 12311-1)	-15 V.A.	35/40%	35/40%
Resistance to impact (EN 12691 - A method)		1.250 mm	1.250 mm
Resistance to static loading (EN 12730)		15 kg	15 kg
Resistance to tearing (nail shank) (EN 12310-1)	-30%	170/170 N	170/170 N
Flexibility to low temp. (EN 1109)	≤	-10°C	-10°C
Reaction to fire class (EN 13501-1)		Euroclass F	Euroclass F
External fire performance (EN 13501-5)		F_{roof}	F_{roof}

MEMBRANE COMPOSITION

VERTIFLEX SUPERTACK POLYESTER



PRODUCT FINISH

FLAMINA. Plastic protection film helping prevent coils from sticking to the roll. As it withdraws under the action of the flame right during its installation, it signals the best melting point in order to correctly glue the membrane to the brackets and rises. When not heated, it can be used as a sliding layer.

- FOR ANY FURTHER INFORMATION OR ADVICE ON PARTICULAR APPLICATIONS, CONTACT OUT TECHNICAL OFFICE
- IN ORDER TO CORRECTLY USE OUR PRODUCTS, REFER TO INDEX TECHNICAL SPECIFICATIONS

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Construction Systems and Products
Via G. Rossini, 22 - 37060 Castel D'Azzano (VR) - Italy - C.P.67 - Tel. 045.8546201 - Fax 045.512444
INTERNET: **www.indexspa.it**
E-MAIL: index.export@indexspa.it

TOTAL QUALITY index UNI EN ISO 9001 ed. 2000 - Vision

Environmental Management Systems index UNI EN ISO 14001

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