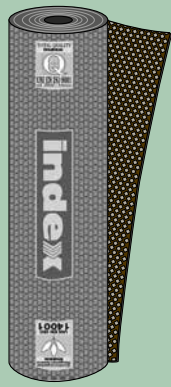


FLEXTER TESTUDO SPUNBOND POLYESTER 25

WATERPROOFING ELASTOPLASTOMERIC POLYMER DISTILLED BITUMEN MEMBRANE, BASED ON DISTILLED BITUMEN, PLASTOMERS AND ELASTOMERS



GRANTS *LEED* CREDITS

CATEGORY	CHARACTERISTICS		ENVIRONMENTAL						METHOD OF USE					
 EP		 Reazione al fuoco		 ASBESTOS FREE	 TAR FREE	 CHLORINE FREE		 NON DANGEROUS WASTE						
ELASTOPLASTOMERIC	WATERPROOF	REACTION TO FIRE	ECO GREEN	ASBESTOS FREE	TAR FREE	CHLORINE FREE	RECYCLABLE	NON DANGEROUS WASTE	EXHAUSTED OIL FREE	TORCH APPLICATION	HOT AIR APPLICATION	NAILING	COLD ADHESIVE BONDING	APPLICATION WITH MOLTEN BLOWN BITUMEN

* For waterproofing membranes with TEXFLAMINA underface finish only

DESCRIPTION

FLEXTER TESTUDO SPUNBOND POLYESTER 25 belongs to a family of INDEX polymer-bitumen waterproofing membranes, whose quality is certified and constantly monitored by the ITC Institute, a member of the C.N.R. (former ICITE), for which it has issued the Technical Agrément no. 589/03. The **FLEXTER TESTUDO** membranes are the first to be certified in compliance with the most recent UEAtc Directives of December 2001 (UEAtc Technical Guide for the assessment of Roof Waterproofing System, made of Reinforced APP or SBS Polymer Modified Bitumen Sheets) whose test methods have been updated with the new EN European legislation. The characteristics of the membranes are highly superior with respect to the limits envisaged by the old and new legislation. The production range has been further improved with the introduction of the new composite polyester non-woven fabric reinforcements, stabilised with fibreglass, which give the membranes better dimensional stability in order to meet the most restrictive requirements of the new UEAtc European Directives.


The production range has also been enriched with the high mechanical resistance type, **FLEXTER TESTUDO SPUNBOND POLYESTER 25**, suitable for the most hard-wearing uses such as waterproofing car park terraces paved with asphalt and concrete road decks. The mix that unites the membranes has been tested through twenty years' certification and is based on distilled bitumen, selected for industrial use, with a high content of elastomeric, plastomeric and metallocene co-polymers to obtain a "phase inversion" compound. The continuous phase is formed by a polymeric matrix in which the bitumen is finely dispersed even if this is the most consistent ingredient. This configuration determines the properties of the product, which are more similar to those of the polymeric material to which the bitumen adds superior adhesion and water resistance.

APPLICATION FIELDS

The long-lasting mechanical resistance and elasticity properties, as well as the stability at high and low temperatures of the **FLEXTER**

CE

INTENDED USE OF "CE" MARKING SPECIFIED ACCORDING TO SITEB



EN 14695 - REINFORCED BITUMINOUS MEMBRANES FOR WATERPROOFING THE DECKS OF CONCRETE BRIDGES AND OTHER CONCRETE SURFACES SUBJECT TO TRAFFIC

- Under bituminous conglomerate
- FLEXTER TESTUDO SP. POLYESTER 25

- TESTUDO SPUNBOND POLYESTER 25** membrane allow it to be used as sealing elements in **single** or **multiple layers**, both protected and visible, in the civil engineering works.
- On all sloping surfaces, both flat and upright and on curved surfaces.
 - On concrete laying surfaces cast in situ or prefabricated.
 - For the most varied uses: car park roofs, water works and ecological works, tunnels, subways, road bridges and decks.

CERTIFICATION



BUREAU VERITAS



TECHNICAL CHARACTERISTICS

	Standard	T	FLEXTER TESTUDO SPUNBOND POLYESTER 25	
Reinforcement			"Non-woven" Spunbond polyester fabric stabilized with fibreglass	
Thickness	EN 1849-1	±0,2	4 mm	5 mm
Roll size	EN 1848-1	-1%	1x10 m	1x10 m
Watertightness • after ageing	EN 1928 - B EN 1926-1928	≥ ≥	60 kPa 60 kPa	
Peel resistance L/T	EN 12316-1	-20 N	50 N/50 mm	
Shear resistance L/T	EN 12317-1	-20%	900/800 N/50 cm	
Maximum tensile force L/T	EN 12311-1	-20%	1000/900 N 50 mm	
Elongation L/T	EN 12311-1	-15% V.A.	50/50%	
Resistance to impact	EN 12691 - A		1500 mm	
Resistance to static loading	EN 12730 - A		25 kg	
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	250/250 N	
Dimensional stability L/T	EN 1107-1	≤	-0.30/+0.30%	
Flexibility to low temp. • after ageing	EN 1109 EN 1296-1109	≤ +15°C	-20°C -20°C	
Flow resist. at high temp. • after ageing	EN 1110 EN 1296-1110	≥ -10°C	140°C 140°C	
UV ageing	EN 1297		Test passed	
Reaction to fire Euroclass	EN 13501-1		E	
External fire performance	EN 13501-5		F roof	
Specific characteristics for waterproofing systems under surfaces subject to traffic (EN 14695)				
Dynamic impermeability	EN 14694	≥	500 kPa	
Compatibility for thermal conditioning	EN 14691	≥	80%	
Adhesive force	EN 13596	≥	0.4 N/mm ²	
Resistance to shear stress	EN 13653	≥	0.15 N/mm ²	
Resistance to compaction	EN 14692		Test passed	
Crack bridging ability - Type 1	EN 14224	≤	-20°C	
Crack bridging ability - Type 3	EN 14224	≤	-20°C	
Water absorption	EN 14223	≤	1.5%	

Compliant with EN 13707 in terms of the resistance factor to steam penetration for reinforced polymer-bitumen membranes, the value of $\mu = 20\ 000$ may be considered, unless declared otherwise.

the numerous possible uses and the possible interference of conditions or elements beyond our control, we assume no responsibility regarding the results which are obtained. The purchasers, of their own accord and under their own responsibility, must establish the suitability of the product for the envisaged use.

PRODUCT FINISHING



EMBOSSING FLAMINA. The embossing on the lower surfaces of the membranes finished with Flamina film makes it possible to lay the product precisely and quickly, forming a smooth surface when melted with the torch. It indicates the correct melting temperature and lets the film retract faster. The embossing also enables optimal vapour diffusion; in spot bonded and loose laid installation, in the points where it remains intact, preventing blisters and swelling.



TALC SURFACING. The talcing of the top face is carried out with a technique which evenly spreads the very thin talc over the top surface with a special pattern, preventing accumulation or zones without talc. This new system allow a quick unroll and gives the surface a pleasant aspect, which enable to torch it faster if compared to the other coarser mineral finishes.

The figures shown are average indicative figures relevant to current production and may be changed or updated by INDEX at any time without previous warning. The advice and technical information provided, is what results from our best knowledge regarding the properties and the use of the product. Considering

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

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