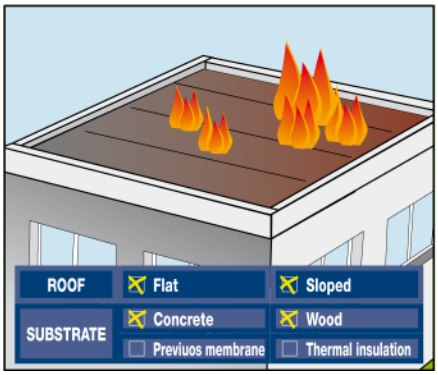
FIRESTOP POLYESTER

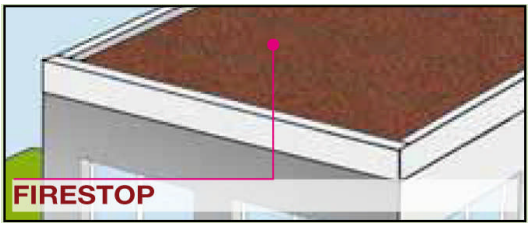
(FIRE RESISTANT ELASTOPLASTOMERIC DISTILLED POLYMER-BITUMEN WATERPROOFING MEMBRANE, WITH HARMLESS FLAME RETARDANT ADDITIVES, SELF-PROTECTED WITH SLATE GRANULES)

HOW TO PROTECT VISIBLE WATERPROOF COVERING LAYERS FROM FIRE?

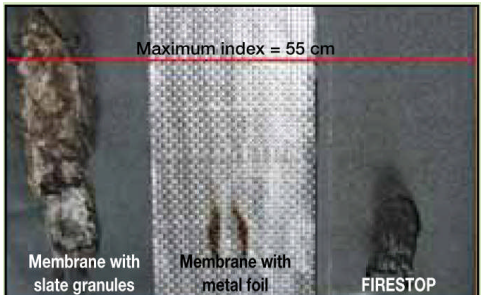


Description FIRESTOP POLYESTER is a fire resistant membrane containing harmless inorganic anti-flame additives - it is the result of INDEX's research. It does not have any of the counter-indications typical of membranes self-protected with a metallic foil. It can be applied without any protection on both flat and pitched roofs, and on insulating layers with high thermal resistance.

FIRESTOP POLYESTER is a polymer bitumen waterproofing membrane that has been tested pursuant to the Scandinavian standard concerning reactions to external fire: Nord Test Method-Resistance to fire spread according to SS 02 48 24-NT FIRE 006, assimilated as European method UNI ENV 1187/2. Furthermore, it has been classified as Broof (t2) pursuant to standards UNI EN 13501-5 on both combustible underlying surface and on incombustible underlying surface.



This makes it suitable for laying on flat and pitched roofs and also on combustible and incombustible underlying surfaces, provided that the density is ≥1 6 kg/ m3, for which it can be used on any type of thermal insulation product with density of ≥16 kg/m3; on wooden laying surfaces; on cement-based laying surfaces; on metal laying surfaces; on bituminous laying surfaces etc. The product's fire resistance is long lasting and is constantly controlled in the factory. The reinforcement of FIRESTOP POLYESTER consists of a rot-proof, non-woven single strand polyester fabric; the waterproofing mass which covers it resists temperature ranges and ageing. The upper side, self-protected by hot-bonded and pressed slate granules, is a further protection against fire.



Over this, a side overlapping strip without any slate,protected with a strip of Flamina film (to be torch melted) enables you to seal the joint. This film also lines the membrane's lower side, ensuring it is laid fast and safe.

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

EN 13707 - REINFORCED BITUMEN SHEETS FOR ROOF WATERPROOFING
• Upper layer in multi-layer systems without permanent heavy surface protection
- FIRESTOP POLYESTER

EN 13859-1 - UNDERLAY FOR DISCONTINOUS ROOFING
- FIRESTOP POLYESTER

Applications field FIRESTOP POLYESTER protects the entire covering system from fire when used as a final layer on roofs with visible waterproofing coat also under photovoltaic systems.

It is particularly suitable for covering systems in ribbed metal sheets and wood. Furthermore, it is recommended for use on systems where insulating panels which are sensitive to fire will be laid and as an under-tile membrane on wooden structures.

FIRESTOP POLYESTER can be used on either flat or sloping roofs.

Advantages

- The membrane is fire-resistant and can be installed also on insulation with a high thermal resistance.
- Contain non-toxic flame retardant additives

Method of use	Torch Application	Hot Air Application	Nailing
	✓	✓	✓

Loading Table		Product specifications		Loading in 20' FCL	
	Thickness	m^2/roll	Rolls/pallet	Pallets	M^2
Firestop Polyester	4,5 kg/m^2	10	24	20	4800

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.

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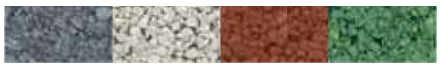

MINERAL PROTECTION. On the visible face of the membrane, a protective coating made up of slate granules of various colours is hot bonded. This mineral shield protects the membrane from ageing caused by UV rays in the points where it remains intact, preventing blisters and swelling.

TECHNICAL SPECIFICATIONS			
	Standard	T	**FIRESTOP POLYESTER**
Reinforcement			non woven spunbound polyester fabric
Mass per Unit Area	EN 1849-1	±12%	4,5 Kg/m^2
Roll size	EN 1848-1		1x10m
Watertightness	EN 1928 – B	≥	60 kPa
Maximum tensile force L/T	EN 12311-1	-20%	750/600 N/50mm
Elongation L/T	EN 12311-1	15%	50%/50%
Resistance to tearing (nail shank) L/T	EN 12310-1	-30%	150/150 N
Flexibility to low temperature	EN 1109	≤	-10°C
Flow resistance at high temperature After Ageing	EN 1110	≥	120°C 120°C
Resistance to Water Penetration	EN 1928		W1
UV Ageing	EN 1297		Test Passed
Reaction to Fire - Euroclass	EN 13501-1		E
External fire performance	EN 13501-5		B roof (t2)