



TOP
WATERPROOFING

FLAME RETARDANT VELAGUM

ELASTO-PLASTOMERIC BITUMINOUS MEMBRANE BPP
WITH FLAME RETARDANT ADDITIVE

Technical data sheet

REINFORCEMENT	NON WOVEN POLYESTER FABRIC
COMPOUND	BITUMEN – ELASTO-PLASTOMER BPP
FINISHING	FLAME RETARDANT VELAGUM: NATURAL SLATE
APPLICATION METHOD	FLAME WELDING
<u>DESTINATION OF USE</u>	
FLAME RETARDANT VELAGUM	EN 13707 WATERPROOFING SYSTEM MULTILAYER: FINISHING LAYER EN 13859 WATERPROOFING SYSTEM: UNDER TILE
FPC CODE	GB14/92056



Description

Elasto-plastomeric waterproofing membrane designed for special applications either as a radon gas barrier. Reinforcement made up of an aluminium sheet coupled with rot-proof fibreglass. Compound based on modified distilled bitumen ensuring high flexibility at low temperatures.

Fields of application

It can be used as a radon gas barrier for foundations or retaining walls.

Stratigraphy

1. Polypropylene film
2. Compound BPP
3. Non woven polyester fabric reinforcement
4. Compound BPP
5. Finishing: natural Slate





TOP
WATERPROOFING

FLAME RETARDANT VELAGUM

ELASTO-PLASTOMERIC BITUMINOUS MEMBRANE BPP
WITH FLAME RETARDANT ADDITIVE

Technical Features

Parameter	FLAME RETARDANT VELAGUM	Unit of measure	Tolerance	Regulations
VISIBLE DEFECTS	Exceeds	Visual	-	EN 1850-1
LENGTH	10	m	-1 %	EN 1848-1
WIDTH	1	m	-1 %	EN 1848-1
STRAIGHTNESS	Exceeds < 20mm/10m	-	-	EN 1848-1
MASS PER UNIT AREA	4,5	Kg/m ²	- 5 %	EN 1849-1
THICKNESS	-	mm	- 0,2	EN 1849-1
WATERTIGHTNESS	Exceeds > 60	kPa	-	EN 1928:2000
WATERTIGHTNESS AFTER STRETCHING	NPD	%	-	EN 13897
EXTERNAL FIRE PERFORMANCE	B Roof T1 T2 T4	-	-	EN 13501-5
REACTION TO FIRE	F	Classe	-	EN 13501-1
TENSILE PROPERTIES				
MAXIMUM LOAD AT BREAK				
Longitudinal	850	N/50 mm	- 20 %	EN 12311-1
Transversal	650		- 20 %	
ELONGATION AT BREAK				
Longitudinal	40	%	- 15 in ass.	EN 12311-1
Transversal	40		- 15 in ass.	
RESISTANCE TO TEARING (nail method)				
Longitudinal	200	N	- 30 %	EN 12310-1
Transversal	200		- 30 %	
RESISTANCE TO IMPACT	NPD	mm	≥	EN 12691
RESISTANCE TO STATING LOADING	NPD	Kg	≥	EN 12730-1
COLD FLEXIBILITY	-15	°C	≤	EN 1109
FLOW RESISTANCE AT ELEVATED TEMPERATURE	140	°C	≥	EN 1110
DIMENSIONAL STABILITY	NPD	%	≤	EN 1107-1
FORM STABILITY UNDER CYCLIC TEMPERAURE CHANGE	NPD	mm	-	EN 1108
ARTIFICIAL AGEING BEHAVIOUR (FLOW RESISTANCE)	NPD	ΔT °C	-	EN 1296
ARTIFICIAL AGEING BEHAVIOUR (VISIBLE DEFECTS)	NPD	-	-	EN 1297
ADHESION OF GRANULES	< 30	%	- 5 in ass.	EN 12039
WATER VAPOUR PROPERTIES	NPD	μ	-	EN 1931
RESISTANCE TO ROOTS	NPD	-	-	EN 13948
PEEL RESISTANCE	NPD	N/50 mm	-	EN 12316-1
SHEAR RESISTANCE	NPD	N/50 mm	-	EN 12317-1

Note: NPD = No Performance Declared according to the EU Directive on Construction Products

It is impossible to ensure uniformity of color of slated products, because the only slate manufacturer makes no warranty about. All self-protected products with slate chippings undergo color changes over time as a function of exposure to atmospheric agents. These color variations tend to conform gradually.
AVAILABLE COLOURS OF SLATE: Natural Gray (Standard), Red, Green, White



TOP
WATERPROOFING

FLAME RETARDANT VELAGUM

ELASTO-PLASTOMERIC BITUMINOUS MEMBRANE BPP
WITH FLAME RETARDANT ADDITIVE

Technical data sheet

Review 0.1
01.03.2016

Packaging

PRODUCT	THICKNESS (mm)	WEIGHT (Kg/m ²)	ROLL DIMENSIONS (m)
FLAME RETARDANT VELAGUM	-	4,5	1x10

Rolls packed on wooden pallets, wrapped with polyethylene heat-shrinkable caps.

Warnings

Store vertically, protecting them from atmospheric agents and from too high or too rigid temperatures.

Avoid overlapping rolls and pallets.

The contact with solvents and organic fluids can damage the product.

The application surface should be smooth, dry and clean.

The application surface must be previously treated with a suitable bituminous primer, VELQUA, VELABASE or VELAFONDO GRIPERM to eliminate dust and enhance the adhesion of the membrane. The application surface must not have depressions, to avoid stagnation of rain water and must have a sufficient slope to ensure the smooth flow of precipitation (min 1.5%). In the case of applications in vertical development exceeding 2 m or media in strong slope surfaces apply suitable mechanical fasteners in the head of the cloth, then sealed with the junction of the head.

Apply the product at temperature higher than +5°C.

The installation should be discontinued in case of adverse weather conditions (high humidity, rain, etc.).

The above-mentioned values can be subject to update or change. IIVELA S.r.l. reserves the right to modify them at any time without prior notice. For a correct use of our products, see technical specifications. For further information or any special use, please contact our technical department. Any suggestions or technical information provided represent our best knowledge regarding product characteristics and use. Considering different applications and any possible interference of elements beyond our control, the buyer must declare under his own responsibility that the product is suitable for the intended use.