

flexine VF



FLEXINE

DATA SHEET

 **CASALI**

FLEXINE VF

CHARACTERISTICS

A synthetic waterproofing membrane produced by the coextrusion of modified polyolefin granules with glass mat reinforcement that ensures dimensional stability in time; its high resistance to weather, UV rays, very low temperatures and exceptional mechanical performance are the result

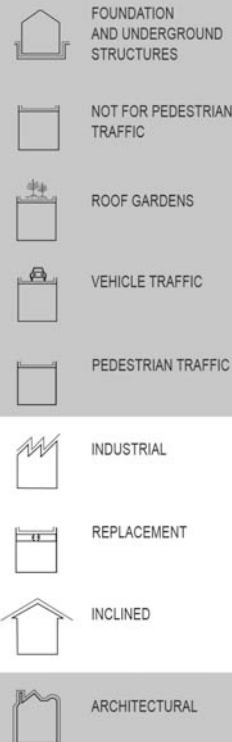
of the special formula of the basic polymer, the production technology and quality control procedures used.

USE

FLEXINE VF applied as a single or double layer is used to waterproof flat and slightly inclined roofing with or without thermal insulation and waterproofing membrane as final finishing layer; FLEXINE VF is laid dry and the sheets are nailed at the base of the vertical embossments and over the entire surface of the covering (according to the spacing and layout of the fixing points provided by our Technical Office in compliance with applicable regulations) after laying a separation, creep and protection layers. The membrane should be laid only by skilled staff; the complete design of the laying system and structural details by the Casali Technical Office and the specific characteristics of the material ensure waterproofing that is sure to enhance the security and value of the roofing over the years.

SPECIFICATIONS

Application of a final waterproofing layer by dry laying and fixing sheets (with appropriate fixing means) of polyolefin membrane containing glass mat and net reinforcement: ... mm FLEXINE VF produced by Casali S.p.A. is resistant to UV rays and the mechanical stress to which it is subjected by the layer systems and use and has high dimensional stability. The values of the characteristics requested are shown by the technical data sheet. The joint seams should be hot welded using a manual and/or automatic welding machine by a skilled welder holding the qualification certificate issued by the manufacturer; the finishing details should be authorised by the same. The mechanical fixing should be carried out according to the project in accordance with applicable regulations.



	U.M.	1,5	1,8	2,0
Thickness (UNI EN 1849-2)	mm	1,5+/-0,1	1,8+/-0,1	2,0+/-0,1
Air mass (UNI 1849-2)	Kg/sq.m.	1,5	1,8	2,0
Width UNI EN 1848-2	ml	1,05 - 1,50	1,05 - 1,50	1,05 - 1,50
Length UNI EN 1848-2	ml	15,0 - 20,0	15,0 - 20,0	15,0 - 20,0
Rectilinear UNI EN 1848-2	mm	g <= 50	g <= 50	g <= 50
Flatness DIN 16726/5.2	mm	p <= 0	p <= 0	p <= 0
Tensile strength (L/T) UNI EN 12311-2	N/50mm	> 1100	> 1100	> 1100
Elongation to longitudinal break UNI EN 12311-2	%	>5	>5	>5
Elongation to transverse break UNI EN 12311-2	%	>170	>170	>170
Flexibility at low temperatures (UNI 495-5)	°C	-40 °C	-40 °C	-40 °C
Dimensional stability (UNI EN 1107-2)	%	+/-0/-0,12 +0,12	+/-0/-0,16 +/-0,08	+/-0,15 +/-0,15
Static punching on soft support (UNI 8202/11)	PS	5	5	5
Dynamic punching on rigid support (UNI 8202/12)	PD	3	3	3
Waterproofing (UNI EN 1928)	6h at ,5MPa	conforms	conforms	conforms
Resistance to roots (UNI 8202/24)	-	FLL	FLL	FLL
Resistance to artificial weather and UV rays (UNI ISO 4892)	h	5000	5000	5000
Resistance to hail (SIA 280/8)	m/s	>25	>25	>25
Vapour diffusion coefficient (DIN 16726 5.15)	μ	<90000	<90000	<90000

Casali's Technical Office offers a consulting service, assistance and information on the correct use of the products. Phone +39 071 9162095 infotecnica@casaligroup.it

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