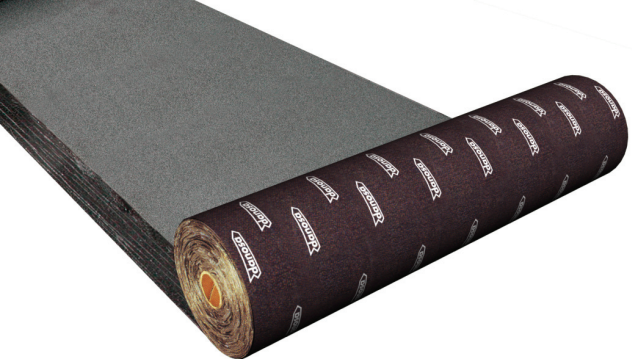


danosa

ELASTOMERIC MEMBRANES WITH POLYESTER REINFORCEMENT AND MINERAL SLATE FOR MECHANICAL ASSEMBLY

TECHNICAL DATASHEET

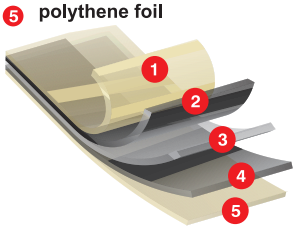
POLYDAN PLUS F.M. 50/GP

SURFACE HYDRO INSULATING MEMBRANES FOR MECHANICAL ASSEMBLY

PRODUCT DESCRIPTION

Elastomeric hydro insulating membrane, produced out of distilled bitumen, modified with SBS (stirol-butadien-stirol) polymer. The reinforcement is of rigid non-woven polyester. Its bottom side is covered with polythene foil; and its face - protected by a homogeneous mineral slate layer; there is a loose end for welding by overlapping the neighbouring membrane. The mineral slate not only ensures aestetic appearance of the assembled roof but is also an additional means of protection against ultra violet rays, ageing and mechanical damage of the membrane structure.

1. polythene foil
2. modified SBS bitumen
3. non-woven polyester + glass fibre wire
4. modified SBS bitumen
5. polythene foil



APPLICATION

Elastomeric membrane, suitable for the upper layer in hydro insulating covering systems for flat roofs with mechanical assembly.

SPECIFIC PROPERTIES OF MODIFIED BITUMINOUS MEMBRANES

- Rigid membranes for mechanical assembly;
- Perfect adaptation to all kinds of building constructions (concrete, metal, panel, etc.);
- Appropriate to residential, public and industrial buildings;
- Harmless to man, no requirements for special means of protection.

PACKING

Palettes, wrapped in polythene foil, with the name of the manufacturer and the basic product data printed on the label.

DIMENSIONS, PRODUCT RANGE AND PACKING

Weight (kg/m2)	Lenght (mm)	Width (mm)	m2 / roll	Number of rolls /palette	m2 / palette
5.00	8	1	8	25	200

TECHNICAL PARAMETERS

Typical Features		Symbol	Value	Unit	Standard
Bitumen		*SBS*	Elastomeric	-	-
Reinforcement		*ESTER*	Non-woven polyester 190	gr/m²	-
Upper face		*PE*	Melting foil	-	-
Bottom face		*G*	Colored mineral slate:	Grey, red, green, white.	
Softening point		t_t	> 110	°C	EN 1427
Flexibility at low temperature		$t_{(-)}$	– 15	°C	EN 1109
Thermal dimensional stability		$t_{(+)}$	> 100	°C	EN 1110
Tensile properties	lengthwise	σ_l	900 ± 250	N / 5cm	EN 12311 - 1
	crosswise	σ_t	650 ± 250	N / 5cm	
Break elongation	lengthwise	-	45 ± 15	%	EN 12311 - 1
	crosswise	-	45 ± 15	%	
Resistance to tearing	lengthwise	-	300 ± 100	N	EN 12310 - 1
	crosswise	-	300 ± 100	N	
Resistance to static loading		*L*	10	kg	EN 12730
Resistance to impact /polystirol of thickness: 20kg/m2		*I*	10	mm	EN 12691
Number of water vapor transmission properties		*μ*	> 20 000	-	EN 1391
Reaction to fire		*E*	Self-extinguishing	-	EN 13501 - 1
Product Certificate		Cer. No. 032/000575/05.07.2001		AENOR, MADRID (ES)	EN 104 242
Bulgarian Technical Approval		Протокол № 736-05/ 19.04.2005		CRICM, Sofia	EN 13707
Quality Management System		Cer. No. ES-0082 / 01.08.1999		IQNet, AENOR (ES)	ISO 9001:2000

Any information contained in this datasheet describes the product properties applicable as at the time of issue. With respect to continuous development of these materials, changes to their properties may take place from time to time

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