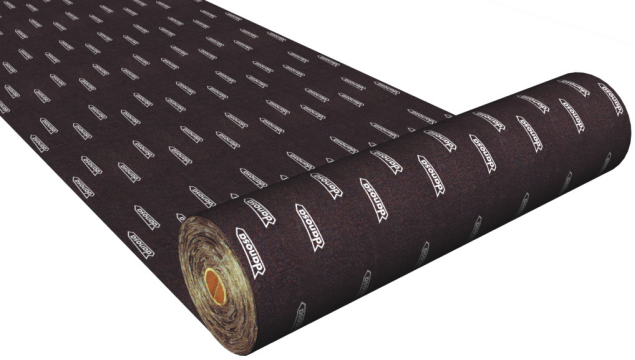


danosa

ELASTOMERIC MEMBRANES WITH POLYESTER REINFORCEMENT

DATASHEET

ESTERDAN PLUS FM 30 P ELAST

HYDRO INSULATING MEMBRANES FOR MECHANICAL ASSEMBLY

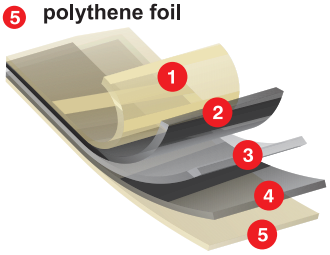
PRODUCT DESCRIPTION

Elastomeric hydro insulating membrane, produced out of destilled bitumen, modified with SBS (stirol-butadien-stirol) polymer. The reinforcement is of rigid non-woven polyester. Both surfaces of the material are covered with easy to be burnt, thin polythene foil that is melting completely and disappears in the torch's gas flame. It prevents the rolled material from adhesion and burning out during the welding.

APPLICATION

Elastomeric membrane, suitable for bottom layer of hydro insulating covering systems for flat roofs with mechanical assembly.

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



SPECIFIC PROPERTIES OF MODIFIED BITUMINOUS MEMBRANES

- Rigid membranes for mechanical assembly;
- Perfect adaptation to all kinds of building constructions (concrete, metal, panel, etc.);
- Applicable in 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
3.00	10	1	10	30	300

TECHNICAL PARAMETERS

Typical Features		Symbol	Value	Unit	Standard
Bitumen		*SBS*	Elastomeric	-	-
Reinforcement		*ESTER*	Non-woven polyester 160	gr/m²	-
Upper face		*PE*	Melting foil	-	-
Bottom face		*PE*	Melting foil	-	-
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	700 ± 200	N / 5cm	EN 12311 - 1
	crosswise	σ_t	450 ± 150	N / 5cm	
Break elongation	lengthwise	-	45 ± 15	%	EN 12311 - 1
	crosswise	-	45 ± 15	%	
Resistance to tearing	lengthwise	-	280 ± 100	N	EN 12310 - 1
	crosswise	-	280 ± 100	N	
Resistance to static loading		*L*	15	kg	EN 12730
Resistance to impact /polystirol of thickness: 20kg/m2		*I*	10	mm	EN 12691
Diffusion number of water vapors		*μ*	> 20 000	-	EN 1391
Reaction to fire		*E*	Self-extinguishing	-	EN 13501 - 1
Product certificate		Cer. No. 032/000572/05.07.2001		AENOR, MADRID (ES)	EN 104 242
Bulgarian technical approval		Protocol № 734-05/ 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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