

MEMBRANES WITH METAL FACE COVERING

DATASHEET

ASFALDAN AL-80 ELAST

MEMBRANES WITH ALUMINUM FOIL

PRODUCT DESCRIPTION

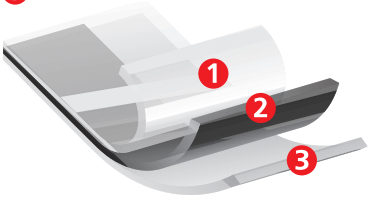
Elastomeric hydro insulating membrane, produced out of distilled bitumen, modified with SBS (stirol-butadien-stirol) polymer. Its bottom surface is covered with easy to be burnt, thin polythene foil that is melting completely and disappears in the torch's gas flame; its face – protected with corrugated aluminum foil; there is a loose end for welding by overlapping the neighbouring membrane. The metal foil, acting as reinforcement too, is an additional means of protection against ultra violet rays and ageing, as well as aesthetic outer appearance - just the right finish of the roof.

APPLICATION

Elastomeric membrane, suitable for:

- Upper layer in two-compound systems for hydro insulating coverings for flat roofs;
- Bottom layer in hydro insulating systems for roof terraces, open to passengers' traffic (under heavy defence);
- A layer for stopping the humidity capillary absorption;
- Upper or singular layer for bases and underground walls of buildings.

1. **corrugated aluminum foil**
2. **modified SBS bitumen**
3. **polythene foil**



SPECIFIC PROPERTIES OF MODIFIED BITUMINOUS MEMBRANES

- Membranes are welded with gas flame burner, at low fuel consumption;
- 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;
- Absolute water and vapor impermeability.

PACKING

Palettes, wrapped in polythene foil, 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	12	1	12	25	300

TECHNICAL PARAMETERS

Typical Features		Symbol	Value	Unit	Standard
Bitumen		*SBS*	Elastomeric	-	-
Upper face		*AL*	Corrugated aluminum foil	80 mm	-
Bottom face		*PE*	Polythene foil	-	-
Flexibility at low temperature		$t_{(-)}$	≤ 15	°C	EN 1109
Thermal dimensional stability		$t_{(+)}$	> 100	°C	EN 1110
Tensile properties	lengthwise	σ_l	400 ± 100	N / 5cm	EN 12311 - 1
	crosswise	σ_t	400 ± 100	N / 5cm	
Number of water vapor transmission properties		μ	> 20 000	-	EN 1391
Resistance to plants' roots		-	Don't pass through	-	EN 13984
Reaction to fire		*E*	Self-extinguishing	-	EN 13501 - 1
Product Certificate		Cer. No. 032/000845/27.12.2004		AENOR, MADRID (ES)	EN 104 242
Bulgarian Technical Approval		Protocol № 733-05/ 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.

Address: SIPER-BULGARIA Ltd.
1592 Sofia, P.O. box 150; zh.k."Druzhba 1",
blvd. "Prof.Tsvetan Lazarov" № 50
*National phone: /+359 2/ **0700 19889**; fax: +359 2/**979 00 60***
web page: www.siper.bg; e-mail: office@siper.bg

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