MAROFLINE PROOF MEMBRANE







SHELF LIFE AND STORAGE

DESCRIPTION



It is a Styrene Butadiene Styrene (SBS) based professional waterproofing membrane developed with modified bitumen technology with a polyester felt carrier, covered with a special mineral layer, applied before concrete and capable of providing complete and permanent adhesion to the concrete with the heat of hydration of the structural concrete poured on it.

FIELDS OF USAGE



- On foundations and single-face curtains.
- It prevents possible water penetration by providing complete adhesion to the structural reinforced concrete element.
- In case of ground settlement, the insulation cover is not separated from the reinforced concrete element.
- It does not require protection concrete, therefore it saves both cost and time.
- Proof membrane system is also an ideal solution for inclined surfaces where protection concrete cannot be poured.

covered warehouses with a flat floor and standing upright. • During in-warehouse transportation or unloadin-

• During in-warehouse transportation or unloading/loading, care must be taken to prevent the rolls from receiving harsh impacts.

• Bituminous membrane rolls should be stored in

- If the rolls need to be stored outdoors for a long time, they should be covered to protect them from sunlight.
- Shelf life; It is 1 year from the date of production if stored in its original unopened and undamaged packaging, in dry environmental conditions, away from direct sunlight, between +5 °C and + 25°C.

PREPARING THE SURFACE FOR APPLICATION

- The surface of the gro concrete poured in sufficient thickness and strength must be surfaced.
- There should be no loose aggregate and sharp protrusions on the surface.
- The floor should be cleaned by sweeping before application.



QUALITY STANDARDS

TS EN 13969

ADVANTAGES



- It is applied as a single coat free lay.
- It does not require protection concrete and saves time and money.
- Thanks to its high-strength double-layer special polyester felt carrier, it is resistant to hydrostatic pressure, punctures and tears.
- It minimizes workmanship errors thanks to its self-adhesive joint that is glued with a torch.
- It prevents the horizontal movement of water thanks to its full adhesion to the concrete surface.

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TECHNICAL SPECIFICATIONS

MAROFLINE PROOF PRODUCT TYPES			MAROFLINE Proof Y 3.5 mm		MAROFLINE Proof Y 4.5 mm		MAROFLINE Proof D 3.5 mm		MAROFLINE Proof Y Plus 4.5 mm	
TEST	Unit	Method	Tolerance	Value	Tolerance	Value	Tolerance	Value	Tolerance	Value
SIZE	Metre.	TS EN 1848-1	(-0.03)	10	(-0.03)	8	(-0.03)	10	(-0.03)	8
MOST	Metre.	TS EN 1848-1	(-0.02)	one	(-0.02)	one	(-0.02)	one	(-0.02)	one
DEVIATION FROM REGULARITY	mm	TS EN 1848-1	max.	20	max.	20	max.	20	max.	20
THICKNESS	mm	TS EN 1849-1	±0.2	3.5	±0.2	4.5	±0.2	3.5	±	4.5
WATERPROOF (METHOD B)	kPa	TS EN 1928	60	SUCCESSFUL	60	SUCCESSFUL	60	SUCCESSFUL	60	SUCCESSF
REACTION TO FIRE	Class	TS EN 13501-1	-	то	-	то	-	то	-	то
JOINT STRENGTH	N/50mm		min.	500	min.	500	min.	600	min.	800
TENSILE STRENGTH LENGTH	N/50mm		±100	800	±100	800	±100	750	±100	one thousand
ELONGATION AT BREAK LENGTH	%	TS EN 12311-1	±10	40	±10	40	±10	45	±10	40
TENSILE STRENGTH EN	N/50mm		+100	600	+100	600	+100	700	±100	800
Elongation at Break EN	%	TS EN 12311-1	±10	40	±10	40	±10	45	±10	40
IMPACT RESISTANCE (METHOD A)	mm	TS EN 12691	-	one thousand	-	one thousand	-	one thousand	-	1750
RESISTANCE AGAINST STATIC LOADS (METHOD B)	kg	TS EN 12730	-	15	-	15	-	15	-	20
RESISTANCE AGAINST TEARING WIDTH / LENGTH	N	TS EN 12310-1	+60	260/260	+50	260/260	+50	30/300	±50	400/400
ADHESIVE STRENGTH	N/50mm	TS EN 12316-1	min.	-16	min.	-16	min.	-16	min.	-20
FLEXIBILITY AT LOW TEMPERATURES	°C	TS EN 1109	min.	one hundred	min.	one hundred	min.	one hundred	min.	one hundred
FLOWING AT HIGH TEMPERATURES	°C	TS EN 1110	min.	one hundred	min.	one hundred	min.	one hundred	min.	one hundred
ARTIFICIAL AGING BEHAVIOR	kPa	TS EN 1296 / TS EN 1928	60	SUCCESSFUL	60	SUCCESSFUL	60	SUCCESSFUL	60	SUCCESSF
WATER VAPOR PERMEABILITY	(m2. <u>s.Pa</u>) /kg	TS EN 1931		20,000	-	20,000	-	20,000	-	
CHEMICAL RESISTANCE	/ I ~ O	TS EN 1847 / TS EN 1928				SUCCE	SSFUL			
DANGEROUS MATERIALS		2220		IT DOES NO	T CONTAIN	ASBESTOS AN	ND COAL DU	ST.		