



MARS

High Performance Bituminous membranes

MARS BOARD

DESCRIPTION

MARS BOARD is a pre-molded bituminous board used as protection against backfill and horizontal construction traffic.

- Protection layer against backfill below grade areas such as foundations and basements.
- Against damage caused by construction traffic.
- Concreting or other toppings in horizontal areas.
- Protection for the waterproofing for walls, slabs, parking, plaza, terraces, tunnels, bridges, planters, pools and fountains.
- **MARS BOARD** provides a positive protection not only during construction and backfilling but also at the time of later settlement.

ADVANTAGES

- Withstands normal construction abuse and impact from backfilling operation.
- Protection against construction traffic, concreting and other topping works.
- Rot-proof - unaffected by permanent or periodic immersion in ground water.
- Resistant to salts, chlorides and other chemical normally found in soil.
- Impermeable to water and low vapor transmission enhanced water tightness.
- Excellent resistance to puncture and normal site handling.
- Can be applied by adhesive or by torch.
- Compatible with most waterproofing systems.

ADVANTAGES

MARS BOARD should be installed in buff joints continuously over the waterproofing material staggering the joints whenever possible. Cut the **MARS BOARD** with roofer's knife as required to obtain

On horizontal surfaces, **MARS BOARD** can be placed loose directly on the waterproofing membrane or coating while spot bonding with **MARS BOARD** or neoprene adhesive on the edges to avoid spillage.

On vertical surfaces, **MARS BOARD** can be fixed two recommended ways:

- Cold adhesion by the means of spot bonding with MARS MASTIC or neoprene adhesive.
- Heated application by slightly burning the underside of the board away from the surface and quickly pressing it.

A temporary support might be necessary until the back filling starts. During the backfilling, care must be taken ensure the board is not dragged down.

HEALTH & SAFETY

(Environment Test (ASTM D543) Health Hazards)

Irrespective of thickness **MARS BOARD** is resistant chlorides, sulphates and phosphates found in ground water. There is no health hazards associated with normal usage. water gloves while handling to avoid injury.

MEMBER OF :



The information given in this data sheet is based on both current development work and many years of field experiences. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc.



BETUVA

Industries

BETUVA INSULATION MATERIAL INDUSTRIES LLC

TEL : +971 6 577 7567 - P.O. Box: 85440 Sharjah, UAE

info@betuva.ae www.betuva.ae



MARS

High Performance Bituminous membranes

MARS BOARD

TECHNICAL SPECIFICATIONS

3.2mm	PROCEDURE	UNITS	TOLERANCE	VALUE
ASTM				
Length		m	<- %1	2
Width		m	<- %1	1
Thickness	ASTM D51 47	mm	0.2mm	3.2
Water Absorption (n/a slate)	ASTMD 570	%	mlv	<0.55
Puncture Resistance	ASTM E 154	N;mm	mlv	32;1200
CE				
Visible defects	EN 1850-1	N ^o /m ²	0	0
Length	EN 1848-1	m	<- %1	2
Width	EN 1848-14.00	m	<- %1	1
Mass per unit area	EN 1849-1	kg/m ²	+/- %10	3.85
Thickness	EN 1849-1	mm	-0.2mm	3.2
Resistance tostaticloading (method A)	EN 12730	kg	min	25
Resistance to impact	EN 12691	mm	mlv	>700
Reaction to fire	EN 13501-1		Euroclass	F

4.0mm	PROCEDURE	UNITS	TOLERANCE	VALUE
ASTM				
Length			<- %1	2
Width		m	<- %1	1
Thickness	ASTM D51 47	m	0.2mm	4.0
Water Absorption (n/a slate)	ASTMD 570	mm	mlv	<0.55
Puncture Resistance	ASTM E 154	%	mlv	32;1200
Bitumen compound by weight	-	N;mm	-	>75
CE		%		
Visible defects	EN 1850-1		0	0
Length	EN 1848-1	N ^o /m ²	<- %1	2
Width	EN 1848	m	<- %1	1
Mass per unit area	EN 1849-1	m	+/- %10	5.5
Thickness tostaticloading (method A)	EN 1849-1	kg/m ²	-0.2mm	4.0
Resistance	EN 12730	mm	min	25
Resistance to impact	EN 12691-	kg	mlv	>700
Reaction to fire	EN 13501 1	mm	Euroclass	F

6.0mm	PROCEDURE	UNITS	TOLERANCE	VALUE
ASTM				
Length		m	<- %1	2
Width		m	<- %1	1
Thickness	ASTM D51 47	mm	0.2mm	6.0
Water Absorption (n/a slate)	ASTMD 570	%	mlv	<0.75
Puncture Resistance	ASTM E 154	N;mm	mlv	25;1200
CE				
Visible defects	EN 1850-1	N ^o /m ²	0	0
Length	EN 1848-1	m	<- %1	2
Width	EN 1848-14.00	m	<- %1	1
Mass per unit area	EN 1849-1	kg/m ²	+/- %10	7.65
Thickness	EN 1849-1	mm	-0.2mm	6.0
Resistance tostaticloading (method A)	EN 12730	kg	min	25
Resistance to impact	EN 12691	mm	mlv	>700
Reaction to fire	-long	EN 13501-1	Euroclass	F

MADE IN KSA

MEMBER OF :



The information given in this data sheet is based on both current development work and many years of field experiences. Whilst every effort is made to ensure that the information is reliable, we cannot accept responsibility for any work carried out with our materials as we have no control over methods of application, site conditions etc.



BETUVA INSULATION MATERIAL INDUSTRIES LLC

TEL : +971 6 577 7567 - P.O. Box: 85440 Sharjah, UAE

info@betuva.ae www.betuva.ae