



PROTECTO-BOARD

BITUMINOUS PROTECTO BOARD

TECHNICAL DATASHEET

Based on technical analysis by Inspectorate International (Saudi Arabia) Limited

Certificate of Analysis 13-JLL-0020-001

PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUES	
Thickness	EN 1849-1	mm	3.1	6.1
Dimensions	EN 1848-1	M	2 X 1m	2 x 1m
Mass per unit area	EN 1849-1	kg/m ²	4.09	8.34
Bitumen content			>75%	>75%
Softening point			115-130°C	115-130°C
Polythene film		μ	15	15
Resistance to static loading (method A)	EN 12730	kg	25	25
Resistance to impact	EN 12691	mm	>700	>700
Puncture resistance	ASTM E – 154	N/mm	1,474 N /37mm	1,497 N /34mm
Watertightness to water		kPa		>400

Date of sample	03/01/2013
Sample received on	03/01/2013
Sample arrived on	03/01/2013
Batch number	12902

Above Analysis tested in ISO 9001 certified laboratory 3/1/2013 and witnessed by Inspectorate International (Saudi Arabia) Ltd.

Note: Precision parameters apply in determination of the above results and test methods. Also refer to ASTM D3244-07 &, IP Standard Methods 367, Appendix E for further details.



MATERIAL SAFETY DATA SHEET

1 : IDENTIFICATION OF THE SUBSTANCE / PREPARATION OF THE COMPANY / UNDERTAKING

Product Name: APP / SBS type modified range of waterproofing membranes, Self-Adhesive membranes, Protection Boards, Acoustic Panel Boards, DPC, Pipe Wrapping Cut Rolls, Vapour Barriers with different brand name of DWI and in different thickness.

Application: Bitumen (Asphalt) based waterproofing membrane, boards, suitable for a variety of multipurpose applications among them; roofs, terraces, foundations, basements, pile capping, footing, tanking, car parks, bridge decks and abutments, tank lining, Swimming pools, airport aprons, ramp areas, pipe wrapping and others.

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2 : COMPOSITION / INFORMATION ON INGREDIENTS

High performance roofing and waterproofing membrane / boards of different thickness, comprising of bitumen / asphalt (produced from crude oil), reinforced with polyester mat and or fiberglass fleece / aluminium sheet, coating with APP (Atactic Poly Propylene), SBS (Styrene butadiene Styrene), IPP and with polyethylene or sand or natural/coloured slate flakes or aluminium or HDPE film or Polyester or Smooth PP black film or siliconized paper embedded on top surface to protect membrane from UV radiation and ageing.

3 : HAZARDS IDENTIFICATION

This product does not meet the criteria for requiring classification and identification as per regulation (EC) No 1272/2008 (CLP) and Directive 1999/45/EC (DPD) No 1272/2008 (CLP).

4 : FIRST AID MEASURES

Eyes: Immediately flush eyes with water for at least 15 minutes, if irritation develops get medical attention.

Skin: Product can be absorbed through the skin upon prolonged contact could cause nausea and headache.

Inhalation: Due to the physical nature of this product, inhalation is unlikely.

Ingestion: Due to the physical nature of this product, ingestion is unlikely.

5 : FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, Carbon Dioxide or Dry Foam (Macrofoam).

Special Exposure Hazards: Not Known.

Special Protective Equipment: Wear NIOSH (National Institute for Occupational Safety and Health) approved positive pressure, self-contained breathing apparatus (SCBA) and full protective Clothing.

6 : ACCIDENTAL RELEASE MEASURES

Not Applicable

7 : HANDLING AND STORAGE

Handling:

Use Good House Keeping Practices for example wear safety glasses with side shields and gloves.

Storage: In a dry ventilated area room far from sources of heat and direct sunlight.

8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits: Not Known.

Engineering Control Measures: Use product in a well ventilated area.

Personal Protective Equipment: Safety glasses with side shields and gloves when handling.

9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid. Colour: Black sheet.
Odour:	Not Applicable.
Water Solubility:	Insoluble.
PH:	Not Applicable.
Boiling Point/Range (°C)	~ 177 °C.
Flash Point (closed, °C)	Minimum 250 °C based on bitumen.
Auto flammability (°C)	> 300 °C.
Explosive Properties (%):	This product should be handl using methods and techniques that minimise or eliminate dust or fume generation.
Oxidising Properties:	Not Applicable.
Vapour Pressure (kPa at 20°C):	No data.
Relative Density (at 20°C):	No data.

10 : STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	None Known
Materials to Avoid:	None Known
Hazardous Decomposition Products:	None Known

11 : TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components:

Health Effects

On Eyes: On account of the fact of the physical nature (solid at room temperature) direct contact with eyes is unlikely.

On Skin: Product can be absorbed through the skin upon prolonged contact could cause nausea and headache.

By Inhalation: In principle owing to the physical nature of this product, inhalation is not likely.

By Ingestion: Due to the physical state of this product, namely solid at room temperature ingestion is unlikely.

Chronic: No date available on this product.

12 : ECOLOGICAL INFORMATION

No date available on this product.

13 : DISPOSAL CONSIDERATIONS

Product is not regulated as a hazardous waste by the US EPA (Environmental Protection Agency) under Resource

Conservation and Recovery Act (RCRA) Regulations. Disposal must be in accordance with national legislation.

14 : TRANSPORT INFORMATION

US D.O.T (Department of Transport)

1. Proper Shipping Name: Not Applicable
 2. Technical Name: Not Applicable
 3. Hazard Class: Non-Regulated
 4. Packing Group: Not Applicable
 5. Emergency Response Guide: Not Applicable.
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15 : REGULATORY INFORMATION

EC Directives No:

305/2011 of the EP (European Parliament) and of the Council.

Statutory Instruments:

None Known.

EU Regulations:

Directive 96/82/EC on the control of major accident hazards involving dangerous substances

Codes of Practice:

GHS Code: Membrane Rolls: 68 07 10 00 00 - Protection Board Sheets: 68 07 90 20 00

BS 8217:2005 Code of Practice for Reinforcement bitumen membranes for roofing.

BS 8215:1991 Code of Practice for Design and installation of damp-proof courses in masonry construction.

16: SUPPLEMENTARY INFORMATION

The data contained in this Safety Data Sheet has been supplied as required by the UK Chemical (Hazard Identification and Packing) Regulations 1993, as amended, for the purpose of protecting health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided. Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information.

Disclaimer:

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Wallbarn Limited.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in this sheet and of any precautions which should be taken.

This sheet does not constitute or substitute for the user's own assessment of workplace risk, as required by other health and safety legislation.

As of the date of this document, the foregoing information is believed to be accurate and is provided in good faith.

However, no warranty or representation of law or fact with respect to such information is intended or given.

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