

# AquaArm EPDM

(Formerly known as MYK BONDITE EPDM)

Ethylene Propylene Diene Monomer based waterproofing membrane



## TECHNICAL DATA SHEET

### Product Description

AquaArm EPDM is a non-reinforced single-ply Ethylene Propylene Diene Monomer (EPDM) based elastomeric homogenous membrane. It is used for waterproofing & lining of ceiling & underground concrete structures & underground concrete structures.

AquaArm EPDM confirms to ASTM D 4637 & ASTM D 6134 Type I.

### Uses

- Large commercial roofs of concrete, wood, asbestos and metal sheets
- Terrace Gardens
- Basements, Foundations and Podium slab coverings
- Lakes, ponds, reservoirs, canal and tunnel linings
- Swimming pools and fishpond liners
- Rooftops of storage silos
- Retaining wall etc

### Features and Benefits

- Durable and very long lasting solution
- Less prone to damage due to high compressive strength
- Excellent resistance to UV, ozone and resistance to biodegradation
- Service temperature range:- 20°C to 120°C
- Laid quickly and easily with negligible maintenance
- Light quickly and design, Eco Friendly and Environmentally safe

### Application Methodology

#### Surface Preparation:

The concrete surface must be free from laitance, loose aggregate, sharp projections, grease, oil, dirt, curing compounds or other contaminants. Provide a smooth, even substrate on precast decks. Voids, rock pockets and excessively rough surfaces shall be repaired with approved non-shrink grout or ground to match the unprepared areas.

#### Application of AquaArm EPDM:

Recommended installation is to completely adhere membrane to the substrate.

- a. Position membrane over approved substrate without stretching.
- b. Allow membrane to relax approximately 1/2 hour prior to bonding.
- c. Fold back half the sheet. Fold sheet without wrinkles or buckles.
- d. Apply AquaArm Bond Adhesive\* evenly, without globs or puddles, do not apply bonding adhesive to the splice area.
- e. Allow adhesive to dry until it is tacky, but will not string or stick to a dry finger touch.
- f. Roll the coated membrane into the coated substrate while avoiding wrinkles.
- g. Brush down bonded half of the sheet with a brush to achieve maximum contact.
- h. Fold back the un bonded half of the sheet and repeat the bonding procedure.
- i. Install adjoining sheets in the same manner, lapping edges a minimum of 3 inches

\* Overlaps on horizontal can be done with bonding adhesive as well as seam tape & primer.

Please refer Application methodology or contact MYKA Technical team for more details.

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#### Technical Data

Physical Property	Test Method	1.2mm & 1.5mm
Colour	-	Black
Thickness (mm)	ASTM D-412	1.2 & 1.5 (+15%,-10%)
Tensile Strength (MPa)	ASTM D-412	10-Min
Elongation Ultimate (%)	ASTM D-412	400-Min
Angular Tear (kN/m)	ASTM D-624	35 Min
Tensile Set (%)	ASTM D-412	10 Max
Brittleness Point Max °F (°C)	ASTM D-2137	-49 (-45)
Ozone Resistance	ASTM D-1149	No Cracks
Heat Aging(670h @ 116°C)	ASTM D-573	
▪ Tensile Strength MPa	ASTM D-412	8.30 Min
▪ Elongation Ultimate (%)	ASTM D-412	200 Min
▪ Angular Tear (kN/m)	ASTM D-624	21.9-Min
Linear Dimensional Change (%)	ASTM D-1204	±1
Water Absorption at 70° for 166 hours (%)	ASTM D-471	+8,-2
Factory Seam Strength (kN/m)	ASTM D-816	8.8
Visual Inspection	ASTM G-151	Pass
	ASTM G-155	

The above values are taken from specimens made under reproducible conditions. However they may differ somewhat on actual production/supply due to vulcanization conditions at the factory.

#### Note:

The information given here in is based on tests conducted in-house laboratory and/or independent accredited laboratories. While the information is presented as true and accurate to the best of our knowledge, MYKA assumes no responsibility or liability regarding the use of this information. The right to make periodic revisions of the specifications without prior notice is reserved. Many factors beyond our control can affect and influence the use and performance of our products at any application.

Since these factors are uniquely within the users' knowledge and control, it is essential that users evaluate the product to determine its suitability for purpose. Please, ensure before using that product is suitable for the intended application. No warranty is given or implied by us as the site conditions and the skill of labour used for application is beyond our control.



## Waterproofing System

### AquaArm EPDM

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## TECHNICAL DATA SHEET

### Packaging

Available in:

1.2mmX1.2mX30m

1.5mmX1.2mX30m

1.5mmX6mX30m

### Storage and Shelf Life

The EPDM membrane should be stored in clean and covered surroundings and it should be stored in a way that there is no physical damage to the membrane during storage.

### Annotation

1. Take care when moving, transporting, handling, etc. to avoid punctures and physical damage.
2. Isolate waste products, such as petroleum products, greases, oils (mineral and vegetable) and animal fats from the EPDM membrane.
3. Refer to Material Safety Data Sheets (MSDS) for safety information.

### Product Categories Available



### Health & Safety

- During application wear protective clothing, gloves and eye goggles during application. Avoid product to contact eyes and skin.
- Skin Contact: Wash immediately with plenty of clean water, use kerosene or mineral turpentine when the product has dried.
- Eye contact: In the event of eye contact splash plenty of clean water immediately and seek medical advice.

### Legal Note

The information, and, in particular, the recommendations relating to the application and end-use of MYK Arment products, are given in good faith based on MYK Arment current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with MYK Arment's recommendations. In practice, the difference in materials, substrates and actual site conditions are such that no warranty in respect of merchant ability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application & purpose. MYK Arment reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local product data sheet for the product concerned, copies of which will be supplied on request.

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