

AquaArm PVC

(Formerly known as MYK POWERMATT PVC (A))

Twin colour PVC waterproofing membrane



TECHNICAL DATA SHEET

Product Description

AquaArm PVC is a flexible, synthetic waterproofing membrane based on premium Polyvinyl Chloride resin which acts as a vapor & gas barrier system in structures. It is particularly suited for below ground applications like waterproofing of tunnels and basement.

Confirms type 2,3, &4 grade basement as per BS 8102: 2009, Type A waterproofing Product. Properties in accordance to EN 13491, Confirms IS 16471: 2017, Type A waterproofing Product, Complies BRE 211 guideline.

Uses

Provides a continuously loose laid waterproof membrane system for building and civil engineering structures and is particularly suited to below ground construction.

- Basement waterproofing
- Tunnel waterproofing
- Low Slope concrete roofs
- Reservoirs, lake and canal lining

Features and Benefits

- Excellent puncture resistance
- Resistance to root penetration
- Fast application, loosely laid
- Welded joints for maximum water tightness
- Long life expectancy
- Double weld of joints allows to pressure test of joints
- Resistant to bursting at high water pressure

Application Methodology

Step no 1: Surface Preparation:

Surfaces should be free from cavities and projecting nibs. All surfaces shall be dry and free from frost, surface laitance and contamination.

Step no 2: Laying of AquaArm PVC:

AquaArm PVC is loose laid (generally for below grade application), in case if surface bonding needed; apply AquaArm PVC Adhesive by scraper or roller at coverage rate to suit substrate, typically approximately 0.4-0.6kg/ m². Leave for 5 to 10 minutes.

Overlapping and joints:

AquaArm PVC sheets are overlapped for minimum of 50mm at the sides & 100mm at end laps to be Hot air or hot welding achieves correct assembly of the geomembrane. The weldability and the quality of the welding done on site can be influenced by atmospheric conditions.

An anti-puncturing geotextile or a composite (protective membrane with laminated fleece) should be placed onto the support of the waterproofing.

Usually applied by Specialist Applicator. Please contact MYK Arment team for specific application assistance.



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Parameter	Standard	Unit	Value
Colour	-	-	Single Layer – Yellow Bottom Layer - Black
Thickness	EN 1849 2	mm	2.0(-10/+10%)
Length	EN 1848 2	m	20(-0.5/+2%)
Width	EN 1848 2	m	2.1(-0.5/+1%)
Density			2.80 (+/-10%)
Tensile strength	EN12311 2	N/mm ²	17±5
Elongation at break	EN12311 2	%,	300±50
Tear resistance(nail shank)	EN12310 2	N/mm	> 100
Cold flexibility	EN 495 5	°C	-35
Water tightness(B Method – 24 hours at 0.5 N/mm ²)	EN 1982		Water tight
Fire resistance	EN13501	--	Class E
Water tightness	EN1928B	--	Water tight
Resistance to acidic and alkaline at 28 days	DIN 16726	20% Maximum Elongation	Pass
Resistance of Joints	EN 12317-2	N/mm ²	>10.5
Change of dimensioning after heating at +70 Degree for 2 Hours	EN 1110	Stable	Stable
Puncture static test	EN ISO 12236	kN	> 2.5
Hardness Shore- A Type			Min 80
Water Absorption		%	Max 0.15

The above test carried out at 24°C ± 2°C

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Packaging

AquaArm PVC : 2mm X 2.1m X20m

Storage and Shelf Life

Store rolls on horizontal position to prevent damage.
Avoid sun-baked and rain, store rolls in a clean dry location.
Cover as necessary to protect rolls from environmental damage, heat, cold or moisture etc.



TECHNICAL DATA SHEET

Product Categories Available



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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