

AquaArm TPO

(Formerly known as MYK POWERMATT TPO)

Reinforced Thermoplastic Polyolefin Flexible
Polypropylene Alloy based waterproofing membrane



Product Description

Aqua Arm TPO is produced by extrusion of granules resulting from the incorporation of ethylene propylene rubber into a polypropylene matrix together with other additives as appropriate to the type of membrane.

Aqua Arm TPO is manufactured in two different colours, it is coloured white & grey thus helping in damage identification that may occur during application.

Uses

Provides a continuously loose laid waterproof membrane system for:

- Podiums, parking decks, flat roofs and garden roofs waterproofing.
- Basement waterproofing

Features and Benefits

- Environment friendly, no VOC, no plasticisers, non toxic.
- Cold applied.
- Reinforced grade to achieve aesthetically pleasing finish.
- High resistance to weathering and UV.
- Fast application
- Welded joints for maximum water tightness
- No separate layers required on to EPS.
- Excellent long term performance

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 Geotextile cloth/PIR board

Anti-puncturing geotextile should be placed before application of TPO on concrete surface.

A layer of PIR boards to be laid before application of AquaArm TPO on the industrial shades/corrugated roofs.

Step no 3: Laying of AquaArm TPO:

AquaArm TPO can be applied with mechanical fastening system & automatic heat welding system by maintaining min 50mm over lap that are hot air welded.

Note: The application of AquaArm TPO is done by MYK Arment expert applicators, please get in touch with our technical service team for more details on application procedure.



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TECHNICAL DATA SHEET

Technical Data

Product appearance			
Color	White / Grey		
Visible defects	No defects, conform to EN 1850-2		
Technical specification			AquaArm TPO
Item	Standard	Unit	
Width	EN 1848-2	m	2.0(-1%/+1%)
Length	EN 1848-2	m	20 (-0.5%/+1%)
Thickness	EN 1849-2	mm	1.5(-10%/+10%)
Mass per unit area	EN 1849-2	kg	1.7(-10%/+10%)
Tensile strength	EN12311-2	N/50mm	1250 \pm 100
Elongation at break	EN12311-2	%,	15 \pm 5
Joint peel strength	EN12316-2	N/50mm	300 \pm 50
Joint Shear resistance	EN12317-2	N/50mm	500 \pm 50
Tear resistance	EN12310-2	N	300 \pm 50
Dimensional stability	EN 1107-2	%, \leq	\pm 0.2
Cold flexibility	EN 495-5	$^{\circ}$ C	-40
Impact resistance	EN 12691	mm	700 \pm 100
Static loading resistance	EN 12730	kg	20 \pm 2
Water Tightness	EN1928B	--	Watertight
UV-resistance	EN 1297	5000H	PASS
Fire-resistance	EN13501-1	--	Class E

We reserve the right to amend or change specifications as and when required.
We will be pleased to advise current specifications upon request.
Other technical characteristics are available upon request.



Waterproofing Systems

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Packaging

AquaArm TPO

Roll Size : 1.5mm*2m*20m

Roll Weight : 68Kg

Storage

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.

Health & Safety

AquaArm TPO is non flammable and there are no health hazard related to the use of the product, for more details please refer to the material safety data sheet.



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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