

AquaArm Roof Shield

High build fibre Reinforced Acrylic Elastomeric Waterproofing render for roofing

Product Description

AquaArm Roof Shield is a single component acrylic polymer modified, elastomeric fibre reinforced high build & easy roller applied / brushable coating available in different colours for application in multiple layers, minimum 3 layer application is recommended for best performance.

Uses

AquaArm Roof Shield is high build fibre reinforced seamless waterproofing render suitable for waterproofing of old & new roofs, it is a polymer base product applied in three or more coats & each coat with different colours for monitoring correct thickness.

The product can be applied directly on existing concrete, brickbat coba, and screed concrete even without removal provided the substrates are sound enough for application of the coating avoiding the risk of damage to the old roof associated with removing of the existing overlays. The product provides a seamless, tough durable water resistant coating which can withstand light pedestrian traffic and also has excellent weather resistance for exterior applications.

Features and Benefits

- High Build system provides higher dry film thickness
- The product can be applied directly on existing sound concrete, brickbat coba, screed concrete even without removal
- No protection screed required eliminating the additional weight due to protection layer
- Excellent barrier to carbon dioxide, chloride and sulphate ions.
- Allows water vapour to escape from the structure.
- High resistance to the effect of long-term weathering,
- Durable in all climate conditions including UV attack.
- Excellent bond to concrete and masonry.
- Good crack accommodation capacity.
- Minimum surface preparation needed and low labour.

Application Methodology

Step no 1 : Surface Preparation

All the surfaces which are to receive AquaArm Roof Shield must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with suitable MYKA Repair mortar System.

Step no 2 : Priming

Epoxy based FloArm Primer EPW-44; a two component primer is recommended before application of AquaArm Roof Shield. Mix both the components of Primer and apply by brush on cleaned concrete. Pot life of the mixed primer is only 30 minutes.

Apply the water proofing coating AquaArm Roof Shield when the Primer is tacky. If the Primer fully dries, repriming need to be done

Step no 3 : Mixing

The contents of AquaArm Roof Shield shall be thoroughly stirred for at least 2 minutes using a slow speed (300-400 RPM) drill machine attached with a mixing paddle. Retempering with water should not be done. Keep on stirring during application.

Step no 4 : Application

In order to obtain the protective properties of AquaArm Roof Shield it is important that the correct rates of application are observed. Use a short stiff brush preferably 120-150mm width and apply the mixed material like paint.

The application of AquaArm Roof Shield should not be done if the temperature of the substrate is below 10°C. Apply AquaArm Roof Shield in 3 coats.

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The second & third coat of AquaArm Roof Shield shall be applied as soon as the first coat has reached touch dry state. If planning for protection screed allow the AquaArm Roof Shield coating to dry before covering with screed, sprinkle coarse sand on wet surface of final coating for better adhesion of screed.

Cleaning

AquaArm Roof Shield should be removed from tools and equipment with clean water immediately after use. Hardened material can only be removed mechanically.

Technical Data

Solid Content	70 ± 3 %
Tensile strength (ASTM D412)	1.10 Mpa
Elongation (ASTM D412)	100%
Resistance to ageing due to	1000 hours
UV radiation (ASTM D4587 E)	No Change
Rapid Chloride Penetration (ASTM C 1202-03)	Very low
Pull off adhesion (ASTM D4541)	0.92 Mpa
Resistance to Algae growth (ASTM D 5589-97)	Passes, Zero rating
Permeability (mm) (BSEN 12390 part 8)	5
Water vapour transmission (ASTM E96)	6.0g/m ² h

Standards compliance

Tested to ASTM D4541, ASTM D412, ASTM G154, ASTM E96



TECHNICAL DATA SHEET

Consumption

AquaArm Roof Shield : 0.75 kg / m² / coat.
(Three coat application is recommended).
This will give approximately 1 mm DFT in 3 coats.
Over coating time : 8 - 12 hours at 27°C.

Note : Practical coverage, DFT may be change with substrate type/uneven substrates, substrate condition and wastage during application.

Packaging

AquaArm Roof Shield: 25 kgs

Storage and Shelf Life

Shelf life is 6 months from the date of manufacturing in un- opened condition. Store in a cool & dry place.

Limitations

Do not apply during rains; substrate must be in SSD condition for application of primer. The product is designed only for foot traffic and not vehicular movement or movement of machinery or equipment's.

Technical Support

MYKA offers technical support service to specifiers, end-users and contractors, as well as on-site technical assistance in locations all over the country.



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Health & Safety

AquaArm Roof Shield system is non-toxic but alkaline in nature. Gloves and goggles should be worn while handling. Any splashes on the skin or eyes should be washed off with clean water. In the event of prolonged irritation, medical advice should be sought. AquaArm Roof Shield system is non-flammable.



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 merchantability 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.