

### AquaArm SBS 3000X

(Formerly known as MYK SELF-STICK 3000 X)

High performance Self Adhesive Waterproofing Membrane with Cross Laminated HDPE Film



#### Product Description

AquaArm SBS 3000X is high performance, cold applied, flexible, preformed membrane with cross laminated HDPE film which has a high chemical, puncture resistance. AquaArm SBS 3000X is a vapor, hazardous gas & waterproof membrane for water excluding structures. It protects structure from aggressive chemicals.

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

#### Uses

- Retaining walls
- Below grade application
- Podium waterproofing
- Terrace gardens waterproofing

#### Features and Benefits

- Very good Vapor & Water barrier
- Cold Applied, Easy to apply by peeling off release liner
- Excellent adhesion to primed concrete surface.
- Good Puncture & tear resistance
- Excellent resistance to acids, alkalies, sulphates & chlorides in soil
- High cold flexibility
- High Tensile strength
- Protect structure from hazardous gases like Radon & Methane etc.

#### Application Methodology

##### Step no 1: Surface preparation

The substrate should be completely free of any contaminants, loose material, protrusions or cavities. All oily substances, frost or other moisture should be completely removed. unsound concrete should be 'repaired with ReArm range of repair mortar or SBR modified mortar' before application.

##### Step no 2: Fillet

All corners to be provided with a 50 x 50mm corner fillet with sound concrete.

##### Step no 3: Priming

AquaArm Tar Primer should be applied at the rate of 4-6 Sq M/Ltr to surfaces by paint brush/roller squeeze. The coverage rate for the primer will vary depending on the porosity of the surface being treated. Allow the primer to dry for a minimum of 2 hours and a maximum of 8 hours, at temperatures of 25°C and above, or until touch dry. Priming should only be carried out on surfaces which will be covered with AquaArm SBS 3000X the same day.

##### Step no 4: Membrane Application

Start the installation of all membrane plies from the low point, so that the flow of water is over or parallel to the plies, but never against the laps. Begin membrane application by unrolling the roll of AquaArm SBS 3000X membrane and aligning the side laps.

Side overlaps should be 75 mm and end laps 100 mm.

Additional 300 mm reinforcement strip suggested at all corners/ junctions.

**Vertical application :** Cut AquaArm SBS 3000x to length allowing 100 mm for end laps/ 75mm for side laps and position by peeling back the release paper and applying the self adhesive face to the prepared surface.

Start at the bottom of the wall and work up by progressively removing the release paper in stages on vertical and inclined surfaces. AquaArm SBS 3000X should be applied to ensure that all end laps are weathered.

Temporary batten or other support of the membrane is required before back filling.

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SBS Modified Self Adhesive Waterproofing Membrane with Cross Laminated HDPE Film



**Horizontal application:** Unroll the AquaArm SBS 3000X and place against a marked line. Half of the roll should then be rolled up to the midpoint, the release paper carefully cut, without damaging the AquaArm SBS 3000X membrane and progressively removed from the mid point out to the end of the roll.

This process should be repeated on the other half of the roll. The AquaArm SBS 3000X membrane should be pressed onto the surface to ensure good bonding.

The edge and end laps should be rolled to ensure complete adhesion and continuity between the layers. Roll all laps to ensure complete adhesion.

**Protection:** The membrane shall be protected immediately after application from damage.

Vertical Areas to be protected by a rot proof asphaltic protection board or, Expanded Polystyrene Board of at least 26 Kg density or, 8mm dimple sheet of 500Gsm/SqM. Horizontal areas the membrane to be protected by laying a cement sand screed (>50 mm).

### Technical Data

Thickness	1.5mm	EN 1849-1
Tensile Strength (Film) Longitudinal(N/50 mm) Transversal(N/50 mm)	220 225	EN 12311-1
Elongation (Film) Longitudinal (%) Transversal (%)	325 240	EN 12311-1
Adhesion to Primed Concrete	>2 N	ASTM D 1000
Adhesion to Self	> 2.2 N	ASTM D 1000
Puncture Resistance (N)	>220	ASTM E 154
Static Load Resistance Met. A Met. B	10 Kg 15 Kg	EN 12691
Tear Resistance (Film) (N/mm) Longitudinal N Transversal N	60 N 65 N	EN 12310-1
Vapour Transmission Rate	9000 $\mu$	EN 1931
Water Absorption of Film (%)	0.14%	ASTM D 570
Hydrostatic Test @ 70 Mtr	No Leakage	DIN 52123 / EN 12390 (Part 8)
Chemical Resistance (pH)	2.5-11.5	ASTM D 543
Low Temperature Flexibility	-15°C	EN 1109/ ASTM D 5147
Application Temperature	+ 5°C / + 45°C	
Service Temperature	- 40°C / + 80°C	

# All values given are subject to 5-10% Variance

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#### TECHNICAL DATA SHEET

#### Packaging

AquaArm SBS 3000X comes in 1.5mm thickness in 1mX20m roll, Weight 32 Kg

AquaArm Tar Primer : 20 Ltr

#### Storage and Shelf Life

AquaArm SBS 3000X range of membranes must be stored in a shaded area on wooden pallets neatly covered by a thick fabric and tied securely in a manner that will minimize exposure to sunlight. Rolls must be stacked in up-right position without any load on top of it.

#### Annotation

A Material Safety Data Sheet (MSDS) and Technical Data Sheet (TDS) are available from MYK Arment Pvt. Ltd., or upon request from the nearest MYK Arment sales office. Read the MSDS and TDS carefully prior to use as application or performance data may change from time to time. In emergency, contact any Poisons Information Centre or a doctor for advice.

#### Product Categories Available



#### Health & Safety

AquaArm SBS 3000X contains a very tacky bitumen compound and during application can adhere to human skin. Bitumen stains can be removed by using a cloth dipped in a very light solvent. In case the affected area is sensitive, like the eye, please contact the company physician for advice.

AquaArm SBS 3000X is not suitable for long term exposure to UV. The membrane should therefore be protected in some way within 3 months of application. When the membrane is to be backfilled such as with basement applications,

AquaArm SBS 3000X should be protected from physical damage by using AquaArm Drainboard drainage/protection system also.

#### 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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