

# TECHNICAL DATA

## PRODUCT DATA SHEET

**PRODUCT NAME:** **BLUEMAX** Acrylic waterproofing

**MANUFACTURER:**  
**BLUEMAX POLYMERS**  
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## DESCRIPTION

BLUEMAX ROOFING is a special synthetic resin based water proof coating. Because of its excellent flexibility and thixotropic nature is an ideal for use on vertical as well as horizontal surfaces. It is single pack, very economical and pollution free water proof coating. Due to its white colour, it has excellent solar insulation capacity.

## ADVANTAGES

- Life and durability of the structure is increased.
- Easy application, no machinery required.
- Light weight compared to conventional roofing systems, thereby loading on the roofs is reduced.
- Provides seamless and joint free seal throughout the surface, which is impervious to water.
- Lower labour cost due to easy, simple and quick application, leading to quick completion and time saving.
- Provides insulation due to solar reflection.
- Excellent bonding to most building materials.
- It provides protective membrane for polyurethane foam insulation.

## FIELD OF APPLICATION / USES

- Water proofing of plaza, car park deck.
- Water proofing cum decorating of external plastered walls.
- Water proofing of new surfaces as well as for the repairs of old surface, whether previously treated or not.
- Suitable for horizontal as well as vertical surfaces like flashings.
- Water proofing of roof slabs, terraces, balconies, sun shades, parapet walls, etc.
- Water proofing of flashing, roof edgings, gully's, steeply pitched designs, etc.
- BLUEMAX ROOFING-provides additional water proofing and protection when used as base and/or intermediate coat in brick bat coba and/or IPS floorings.
- BLUEMAX ROOFING is optimally suitable for application on structures having complicated geometry like domes, arches, shells, folded plates, paraboloids, corrugated sheets, etc.
- For garden, swimming pools, basement, sandwich application is recommended. For details, refer our technical department.
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## APPLICATION INSTRUCTIONS

Surface should be free from oil, grease and loose particles. In case of metal surface, remove rust and contamination for better protection, if the surface has been already treated with asphalt or bitumen coatings or roofing's felts and any blisters, peel-off traces, loose lying, etc. must be cut away and be properly filled. Masonry joints must be flush jointed. In case of tiling the roof, terrace, balcony or sun shade, the joints between the tiles should be properly filled to avoid water penetration through the joints. Mix well the container. Apply primer coat of BLUEMAX ROOFING i.e. 25% - 30% diluted with water by brush, spray or roller. After the primer coat is completely dried, apply minimum two coats of undiluted



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**BLUEMAX ROOFING.** It is very important to ensure each coat is totally cured (i.e. 8 hours at 30oC) before the next coat is applied. For better result use BLUEMAX ROOFING GLASS FIBRE REINFORCING AGENT embedded into first coat of BLUEMAX ROOFING while still wet mainly expansion areas joints with parapet. All brushes and tools should be cleaned by water immediately after use. BLUEMAX ROOFING can be diluted with water (5-10%) for easy application.

## COVERAGE

Coverage depends upon the nature of the surface to be applied. But on average, smooth surface will give First Coat - 350 gm/sq.mt. & 300 gm/sq.mt. (Second coat) Two coats will give 1mm dry film thickness. Total three coats recommended.

## SAFETY

Non-hazardous. If ingested, seek medical advice.

## STORAGE

Minimum 12 months in unopened container. Store away from sunlight and preferably below 30oC.

## PACKING

BLUEMAX ROOFING is available in 4 kg, 10 kg, and 20 kg Buckets.

## TECHNICAL DATA

APPEARANCE	White Thixotropic
SOLID CONTENT	65% Heated $\pm$ 2 %
SPECIFIC GRAVITY	1.27 $\pm$ 0.1
THICKNESS COAT	Approximately 1.0 mm, Wet Film.
RE-COAT INTERNAL	4 Hours minimum.
SURFACE DRY TIME	None, after 4 Hours 16 Mils wet Film.
CURING TIME	48 Hours.
TENSILE STRENGTH	440 psi, ASTM D-412.
HARDNESS SHORE A	60, ASTM D-2240
PERMEANCE	2.8 PERMS @ 20 Mils Dry Film.
PERMEABILITY	0.05 PERMS inches.
TEMPERATURE LIMITS 20 MILS	-29°C +93°C
CRACKING	NONE NONE
TENSILE STRENGTH	430 psi 430 psi
ELONGATION	460% 460%
METHODS OF APPLICATION	Brush, Roller, Spray or Squeegee.



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## Note

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.

