# WallPRO

Acrylic Elastomeric Waterproof Coat
(for Exterior Wall)

## Product Description:

WallPro is a nanotechnology based, fiber reinforced elastomeric liquid waterproofing shield that is formulated with elastomeric and resilient acrylic polymers and reinforcing polyester fibers. The product forms a thick, seamless and durable membrane upon curing that offers protection and becomes the ultimate waterproofing shield.

The product has been designed to protect outer walls from wind and rain. The specially incorporated microfibers in the product allow it be strong and ensure superior peel off resistance even with age and prolonged UV exposure. The product also possessed excellent flexibility which allows it to accommodate thermal stresses and bridge hairline cracks that tend to lead to seepages.

The product is great for all types of exterior masonry surfaces, concrete and cement sand renderings. It possesses anti-carbonation coating that is great for concrete structures.

## Advantages:

- Excellent Waterproofing
- Resistant to UV Degradation
- Bridges Cracks Up to 2 mm width
- Highly Flexible
- Anti-Carbonation
- Easy to Apply
- Improves Tensile Adhesion Strength
- No shrinkage cracks


## Suitable For:

- Parapet
- Exterior Masonry Surfaces
- Terraces
- Asbestos
- Sunshades
- Exterior Walls
- Brick-Bat Coba
- Old cementitious surface
- Podiums
- Roof Slabs

## Packaging:

Available in 4 & 20 lt.

## Coverage:

Approximately 5.5- 6.0 $m^2$/ lt./coat (2 coats required).

## Shelf Life:

Factory packed pail of MagicShield – WallPro carries a shelf life of 24 months in its original packaging, if stored in cool & dry place. However, as temperature, humidity, water addition & other parameters vary from site to site; the information should be treated as a general guideline.

## Cautions:

- Do not apply during heavy sunshine, rains or strong winds.
- The product should be applied at least 6 inches inside the drain pipe.
- Stir well before use.
- Apply parapet to parapet to envelope the entire building.

## Safety Precautions:

- Avoid contact with eyes or prolonged contact with skin.
- It is recommended to use rubber hand gloves & safety goggles
- In case of contact with skin, wash the area with plenty of water.
- Keep out of reach of children.

## TECHNICAL DATA

### Applicable Standard:

BS EN 12390 - Water Penetration Resistance; ASTM D 4587 – Accelerated Weathering (QUV) Resistance; ASTM C836 –Crack Bridging Ability.

### Performance Properties:

| | |
|---|---|
| Appearance | Single Component Emulsion |
| Conformity | BS EN 12390; ASTM D 4587; ASTM C836 |
| Pack | 4 & 20 litres |
| Shelf Life | 24 Months in the original packaging |
| UV Resistant (2000 hrs Exposure) | No Defects |
| Drying Time | 30 min |
| Gravity | 1.31-1.35 |
| Crack Bridging Ability | Upto 2 mm width |
| Algae & Fungus Resistant | No Growth |

### Working Properties:

| | |
|---|---|
| Tensile Strength ($N/mm^2$) | >2.6 |
| Adhesion Strength, ($N/mm^2$) | >1.5 |
| Elongation % | >100% |
| Water Permeability at 5 bar pressure | 68% |

## INSTALLATION

### Surface Preparation:

The application surface must be compact and consistent, free from oil, grease, corrosion deposit, loose particles or any other foreign material prior to commencement of application of MagicShield - WallPRO Advanced. All the old coating must be completely removed from the application area. Cracks must be filled with MagicShield-Unibond and the separation gaps must be filled by cement mortar prepared MagicShield Unimix IW+ as specified.
A new cement-sand renderings/concrete surfaces should be allowed to cure for minimum 28 days before coating.

### Priming:

The surface should be primed with a primer diluted with water by 2:1 ratio and should be allowed to dry for 2 - 3 hours.

### Mixing & Application:

Apply MagicShield – WallPro directly from the container without dilution apply two coats of WallPro with a brush or roller at an interval of 5-6 hours.
Apply additional coat on roofs, terraces, and parapet walls for more protection to ensure leak a free surface.

### Cleaning:

Clean the tools and equipment with water after use immediately, only hardened material can be removed mechanically

Specifications are subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on usage methods and site conditions