

# MIXGUARD WP

Elastomeric water-proof coating for water storage units

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**Mixguard WP** is a single component; acrylic co-polymer based waterproof coating with high elasticity. It is durable, flexible and has a high level of resistance to weathering agents like UV rays, sunlight, frost etc.

## Appropriation

- Good for waterproofing of OH drinking water storage units
- Can be used on most types of substrates like concrete and mortar
- As a water proof protective coating for medium range ground level water reservoirs
- Can be used to protect exposed reinforced concrete from carbonation & chloride attack of water storage unit as external coating

## Characteristics

Single component

Easy to apply

High elasticity

Durable and flexible

Excellent resistance to weathering agents like UV, sunlight and rain

Resist the growth of funguses and bacteria

Easy to maintain - washable

## Technical Data & Properties

Standard conforms: BS 476 - 3

Appearance: White/grey liquid

Density: 1.2 gm/cc

Solid content; 60% ± 2% by weight

Elongation at break: 400%

Toxicity: Non toxic

Application temperature: 10 °C to 50 °C

Service temperature: 50 °C to 90 °C

Resistant to acids, alcohol, petrol, UV, carbonation and chloride ion diffusion

## Product Management

**Surface preparation:** All the substrates must be dry and free of dust, dirt, oil, grease and loose particles. Metal surfaces should be rust free. This can be achieved by wire brushing or grit blasting. Old water storage structures must clean with wire brush and remove all funguses and if any growth of bushes inside remove the plaster from that area and cut it from the root level. Loose or debonded plasters must be chip out with the help of hammer and do a latex modified plaster before starting Mixguard WP coating. Exposed corroded reinforcement if any treat it with Mixcrete CP before plastering.

**Priming:** A primer coat is required to seal the pores and stabilize the surface. Mixprime AC should be used as a primer coat. It will improve the bond strength of the coating. This can be applied by a brush, roller or spray

**Application procedure:** The primer coat should be allowed to dry completely before the application of Mixguard WP. The drying time would be a minimum of 8 hours at 25 °C. Mixguard WP can be applied by brush or roller, but is probably best applied using an air less spray. Apply a minimum of two coats with undiluted material @0.6 kg/ m<sup>2</sup> per coat. It is important to ensure that each coat has to be cured totally before applying the next coat. Prior to second coat, a close visual inspection of the surface should be made for any pin holes or surface irregularities. The second coat should be applied at 90° to the first, to ensure a full unbroken coating to the substrate. For improved results, a glass fibre mat (Mixmat) should be embedded into the first coat while it is wet on all corners / joints and other critical areas. Clean all the tools with water after use.

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## Coverage

1.2kg/m<sup>2</sup> for two coats depends on substrate condition

## Packing & Storage

Mixguard WP is available in 20 kg packs. For site installations or mass consumptions, deliveries shall be made in bulk custom-designed containers. Mixguard WP should be stored in cool, dry and shaded warehouses. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per recommendations. In extreme tropical climate, the product must be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

## Health & Safety

Mixguard WP contains no hazardous substance. As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles shall be worn whilst handling. Wearing long sleeve overall, safety shoes and face mask is recommended for maximum safety. Reseal all containers after use and ensure product is stored as instructed on the safety section of the labeling. Treat any splashes to the skin or eyes with fresh water immediately. Should any of the products be accidentally swallowed, do not induce vomiting, but call for medical assistance immediately. For more details, please refer to the MSDS released on each FAB product

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THE CONSTRUCTION CHEMIST

Technical information given in this datasheet is true and exact to the best of our knowledge, laboratory upshot and hands-on application. The datasheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of the publishing is as in this sheet. All data are mean of numerous tests, assessment and analysis conducted under laboratory ambience. Climatic disparity in temperature, humidity, etc. and porosity of substrate may impinge on the values.

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