

# MixGUARD® HR

Highly elastomeric waterproof coating

**MixGUARD® HR** is a single component; acrylic resin based waterproof and weather proof coating with high elasticity and durability. It is seamless, flexible in nature and has a high level of resistance to weathering agents like UV rays, sunlight, frost, rainfall etc.

## Appropriation

Highly recommended to waterproof most types of roofs – concrete, masonry, metal, asbestos etc. Can be used for waterproofing utility slabs where more flexibility is required

## Characteristics

- Waterproof
- Elastomeric - crack bridging
- Excellent resistance to weathering agents
- Anti-algal and anti-fungal
- Suitable for pedestrian traffic
- Non-toxic – breathable and washable
- Good adhesion to substrate
- Dry film forms a tough surface, no protective system required; pedestrian traffic permitted

## Technical Data & Properties

Appearance	: Viscous liquid
Color	: White / Grey ( <i>other colors on request</i> )
Specific gravity	: 1.35 gm/cc
Solids content	: 70% ± 2% by weight
Elongation at break ASTM D 638	: 400%
Tensile strength ASTM D 412	: 1.8N/mm <sup>2</sup>
Adhesion to substrate ASTM D 4541	: > 1.3 N/mm <sup>2</sup>
Water penetration DIN 1048	: Nil (2 bars at 1mm DFT)
Water vapor transmission ASTM E96	: 19g/Sqm/day
Crack bridging ASTM C836	: No cracks up to 2mm width
Application temperature	: 5°C to 50°C
Touch dry	: 4hrs. at 25°C
Recoatable	: 6-8 hrs. at 25°C
Full cure	: 7 days

## Product Management

### Surface preparation

Good surface preparation practice is a key element to achieve optimum result, life and performance of any coatings. Generally, MixGUARD® HR is applying as a top coat or intermediate coat in water proofing applications. Make sure that no laitance or dust in the previous coat and such things must be removed by thorough cleaning like air blowing

### Priming

It is recommended to apply a primer coat prior to MixGUARD® HR application for normal surfaces. MixPRIME® AC / MixPRIME® AC100 (cement modified) can be used based on substrate quality and nature. Contact FAB technical department for suitable primer according to the substrate condition

### Mixing

Stir MixGUARD® HR well to get a homogeneous mix before applying

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## Application procedure

MixGUARD® HR can be applied by brush, roller or air less spray. Apply the undiluted material at 0.5kg/Sqm/coat when incorporate in a system and follow the method of applications as per system specification. Apart from system or in general applications it is recommended to apply MixGUARD® HR in two coats with a suitable primer.

Contact FAB Chemical's technical service dept for methodology and assistance.

It is important to ensure that MixGUARD® HR layer is cured before applying the subsequent coat (normally 6 to 8 hours' time gap). The subsequent coat should be applied at right angle to the previous coat.

For improved results : In general, critical areas, corners, and subject to light movement surfaces Fiber mat (MixMAT GFM 50/70) may be embedded in between coatings while it is in wet condition

Curing: MixGUARD® HR is self-curing

Cleaning: Immediately clean the tools with water

## Packing & Storage

MixGUARD® HR is available in 5/10/20 kg packs. MixGUARD® HR shall be stored in cool, dry and shaded conditions. Shelf life is 12 months when stored under cover, out of direct sunlight, protected from extreme temperatures and as per manufacturer's recommendations. In extreme tropical climate, the product shall be stored in cooled ambience. Excessive humidity and over exposure to UV will result in the reduction of shelf life.

## Health & Safety

MixGUARD® HR 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 the 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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Technical information given in this data sheet is true and exact to the best of our knowledge, laboratory upshot and hands - on application. The data sheets of all products are revised/updated regularly and hence ensure that the latest release is used for reference and recommendation. The date of 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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