

# ShaliScreed ARM

Two Component, Acid / Lye resistant & Waterproofing Silicate Mortar



## Description

**ShaliScreed ARM** is a two component acid / lye resistant mortar. which waterproofing properties as well silicate mortar for horizontal & vertical civil structures. It is used to protect from acid / lye and waterproof surfaces on all mineral substrates such as concrete, particularly where acidic loads combined with thermal and /or mechanical loads are found.

## Characteristics

Coverage, per 1.4kg (mixed)	1 mm thick	Load Capacity <ul style="list-style-type: none"><li>• Foot Traffic</li><li>• Mechanical Loads</li><li>• Permanent Water Load</li><li>• Chemical Loads</li></ul>	12 Hrs
Pot Life, 30 °C	45 mins		24 Hrs
Mixing Ratio, 25 Kgs Part A <ul style="list-style-type: none"><li>• For Horizontal Surfaces</li><li>• For Vertical Surface</li></ul>	6.55 Kgs Part B 6.15 Kgs Part B		7 days
Tensile Strength, N/mm <sup>2</sup>	5	Resistance to chemicals	pH 0 to pH14
Working temperature	>-5 °C <35 °C	Compressive Strength, N/mm <sup>2</sup>	25

## Application

- Protect & Waterproof surfaces on all mineral substrates such as concrete.
- Used where acidic loads combined with thermal and/or mechanical loads.

## Advantages

- High resistance to diluted and concentrated chemicals.
- High resistance to mechanical and thermal loads.
- Quick and easy to apply
- High strength.

## Application Methodology

- Ensure that concrete surface is sound, even, firm and 28 days cured with moisture content not exceeding 5% or frozen substrates.
- Ensure that the surface is sound and free from dust, laitance and other contaminants.
- Remove oil / grease by washing with liquid detergent, followed by acid wash or by burning.
- Remove dust, flakes, or other foreign particles by jet or dry air and clean the surface mechanically or by grinding to make it smooth before application.
- Remove any lime, distempers or acrylic coating prior to applying **ShaliScreed ARM** by surface grinder.
- Pour the liquid Comp B into a clean container and add the powder Comp A slowly while mixing with a suitable mixer for 3 minutes.
- Mixing with a suitable mixer until there are no lumps and the material is homogenous.
- No water, aggregates or cement should be added.
- Application of individual layers should be carefully compacted and applied wet on wet.
- After the application of **ShaliScreed ARM**, the surface of the fresh mortar should be subsequently treated with ShaliScreed NB which is applied to the entire surface with a lambskin roller.

### Limitations

- Do not apply **ShaliScreed ARM** at temperatures below 5% or on frozen substrates.
- Do not apply **ShaliScreed ARM** to asphalt, weak or infirm concrete, unmodified sand / cement screeds, PVC tiles or sheets, or substrates known to move substantially e.g. steel walkways.
- After the mortar has been applied, the finished coating must be protected for at least 24 hours. From weather (e.g. sun, rain, wind, frost).
- Thickness will vary according to the mechanical, thermal load and acid uses.

### Cleaning & Maintenance

- Clean all tools immediately after use with water & soap. Do not allow material to harden.
- No extra care is required after the application of mortar.

### Health & Safety

- Use mask, nose cover and hand gloves during application.
- Clean hands with soap water after application.
- Avoid contact with skin / eyes. In case of unlikely contact with eyes, rinse immediately with plenty of clean water, then cleanse with soap and lukewarm water and seek medical advice. Do not use solvent to clean the contacted area.
- Prevent swallowing. In case of unlikely swallowing, seek medical attention immediately. Do not induce vomiting.

### Packing

Available in 25 Kgs bag Component A and 6.15 Kgs container of Component B for vertical and 6.55 Kgs for Horizontal.

### Storage

Store in a cool dry place under shed away from heat.

### Shelf Life

6 months in original unopened sealed conditions.