

ShaliScreed / ShaliScreed 2000

Three Component Chemical & Abrasion Resistant Epoxy Screed



Description

ShaliScreed / ShaliScreed 2000 is three component abrasion resistant flooring laid by trowel. **ShaliScreed / ShaliScreed 2000** is extremely tough, durable, slip resistant and is ideally suited for areas subjected to high impact, high abrasion, forklift movement and areas exposed to chemicals and oil spillage. **ShaliScreed / ShaliScreed 2000** provides excellent bond to concrete surfaces and can be incorporated in the design of new floors or as an overlay to existing floors to protect it against impact and corrosive effect to chemicals. **ShaliScreed 2000** is used when the thickness required is maximum upto 2mm and **ShaliScreed** when the thickness required is more than 2mm but less than 5mm.

Characteristics

Properties	ShaliScreed	ShaliScreed 2000
Pot Life, Minute @ 30 ° C	40 – 50	40 – 50
Shrinkage	Nil	Nil
Coverage, per 20 Kg	1.8 Sq.M, 5mm thickness	4.5 Sq.M, 2mm thickness
Curing Time		
• Foot Traffic	24 Hrs	24 Hrs
• Vehicle Traffic	48 Hrs	48 Hrs
• Full Cure	7 days	7 days
Compressive Strength, N/MM ²	60	50
Flexural Strength, N/MM ²	25	21
Tensile Strength, N/MM ²	8.5	7
Bond strength to concrete, N/MM	3.0	3.0
Charpy impact value	33 Joule / meter	38 Joule / meter
Taber abrasion resistance	1.8 mgs	1.8 mgs
Rockwell Hardness	9.8 on 'R' scale	9.8 on 'R' scale
Thickness, mm	3 – 6	2

Application

- Production line areas like processing plants, storage areas, loading bays, etc.
- Fertilizers and petrochemical plants.
- Bottling plant., Power houses, Pharmaceutical Industries, Paper mills / Textile Mills, Diaries & breweries, Automobile plant
- Effluent treatment plant lining. Can be used as coving material.
- Used as coving material on the wall and floor joints.

Advantages

- Resists abrasion / chemicals, including acids and alkalies.
- Excellent bond to concrete
- Resists impact load
- Extremely durable
- Provides good gripping surface to both vehicular and pedestrian traffic

Application Methodology

ShaliScreed / ShaliScreed 2000 should be applied only if the moisture content of the floor is below 5% when applied over concrete, the surface must be sound, free from dust, laitance and other contaminants.

- Surface must be prepared by mechanical abrasion.
- For best bond, concrete surface must be slightly textured.
- Remove oil and grease by washing with liquid detergent followed by acid wash or by burning.
- Allow the floor to dry before priming.
- Remove old painting using surface grinder.
- All surfaces should be primed by brush or roller using ShaliPrime Epoxy at a rate of 250 grams per Sqm (Consumption can vary with surface porosity).
- Mixed **ShaliScreed / ShaliScreed 2000** should be applied over the primer immediately after priming.
- Mixing is carried out in a specially designed drum mixer or in a bucket using @ 1000 Rpm as drilling machine fitted with paddle.
- Mix **ShaliScreed / ShaliScreed 2000** component A & B thoroughly by using a drill mixer till a homogeneous mix is obtained. Then add component C slowly, ensuring complete dispersion. After all of component C has been added, mix for a minimum of 5 to 10 minutes.
- Pour the mixed material on the floor and spread it over the calculated area by using steel trowel.
- Compact the material by tamping with a wooden float.
- Finish off by trowelling with steel trowel to a smooth finish.
- Anchor the screed mortar near floor to wall joints, around columns & foundations & at edges of trenches, gutters, bays & expansion joints.
- To ensure uniform thickness, the mixed materials should be spread out between temporary screeding bars used as shuttering. After application is completed, bars can be removed, cleaned and reused.

Coving

NOTE: After application of **ShaliScreed**, it has to be sealed with sealer coat or **ShaliPoxy FC**. **ShaliDeck SL** can also be applied as topping

Cleaning

Clean all tools immediately after use with Xylene. Do not allow the material to harden.

Health & Safety

- The product should not come in contact with the skin and eyes, or be swallowed.
- Ensure adequate ventilation and avoid inhalation of vapours.
- Wear suitable protective clothing, gloves and eye protection.
- In case of contact with skin, rinse with plenty of clean water, then cleanse with soap and water. Do not use solvent to clean the contacted area.
- In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice.
- If swallowed seek medical attention immediately - **do not** induce vomiting.

Packing

Available in 20 Kgs packaging.

Storage

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

Shelf Life

12 months in original unopened sealed condition.