

ShaliFloor® Deck Coat

2-Part Slip Resistance Epoxy Textured Coating



Description

ShaliFloor® Deck Coat is a two component, low solvent, thixotropic, pigmented epoxy-based resin formulated with special additive to provide a fine uniform nonskid finish in the form of a textured outlook.

Product Information

Colour & Mixing Ratio	Component A = Natural Grey; Component B = Reddish brown, other colours available on request. Component A: Component B = 87: 13 by weight.
Handling & Storage	Store under cover out of direct sunlight and protect from extremes of temperature. In tropical climates the product must be stored in an air-conditioned environment. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging.
Packaging	Available in 10 kg composite pack with 8.7 Kg Component A & 1.3 Kg Component B.
Shelf Life	12 Months from the date of manufacture when maintain in protected storage in original unopened sealed condition at 5 - 38°C. Failure to comply with the recommended storage conditions may result in premature deterioration of the product.

Technical Characteristics @ 30°C, 55% RH

Property	Method	Result
Appearance of dry film		Egg shell matt, texture
Pot life, minutes, 100 grams sample	ASTM D 2471	35 - 45
Solid Content, % <ul style="list-style-type: none">• Weight• Volume	ASTM D 2369 ASTM D 2697	91 84
Set to touch drying time, hours Recoating time, hours	IS 101	1 - 2 15 - 24
Curing time, days <ul style="list-style-type: none">• Foot Traffic• Full cure• Exposure to chemicals	ASTM C 722	1 7 7
Gloss after 1 day @ 60°	ASTM D 2457	9 - 15
Bond strength to concrete (after 7 days), N / mm ²	ASTM D 4541	1.5 - 1.8 (Concrete failure)
Shore D Hardness, 7 days	ASTM D 2240	70 - 75
Mix Density, gm / cc		1.60 ± 0.02
Abrasion Resistance, CS 10, 1000 cycles, mg loss	ASTM D 4060	85 - 100
Consumption (single layer), kg / m ² *		0.8 - 0.9
Heat Resistance, °C**, maximum		85

* These figures are theoretical and do not include for any additional material required due to surface porosity, surface profile, variations in level, required roughness for the application, wastage, etc.

** Temperature listed relate to the retention of protective properties. Aesthetic properties may suffer at this temperature on prolonged exposure.

Field of Application

- Ideal to be used on primed floor as an abrasion and chemical resistance textured coating.
- Slip resistant coating for concrete and cement screeds.
- Car parks and maintenance workshops.
- As floor coating for ramps, garages, exhibition areas.
- As a final coat for broadcast multi-layer systems.

Advantage

- Textured and anti-slip finishing.
- High abrasion resistance.
- Good resistance to wide range of chemicals.
- Seamless / joint free application.
- Variable levels of anti-slip textures possible.

Application Information

- ✓ **Application Temperature** +15°C Min / +35°C Max
- ✓ **Relative Humidity** < 85%
- ✓ **Surface moisture content** < 4%

Consumption Information

System	Product	Consumption (kg / m ²)
Primer	ShaliPrime® 2E SF	0.35 - 0.40
Texture Coat	ShaliFloor® Deck Coat	0.80 - 0.90

Application Methodology

➤ Surface Preparation

- Prepare the surface by mechanical grinding or other suitable method.
- All previous floor coating if any must be mechanically removed to the maximum extent possible.
- The concrete or screed substrate has to be primed or leveled in order to achieve an even surface.
- Repairs (blow holes / voids and surface leveling / defects) to the substrate must be carried out using appropriate repair products.
- Remove dust, flakes, oil, grease or other loose foreign particles by sandblasting, iron brush or compressed air.

➤ Material Preparation

- **ShaliFloor® Deck Coat** is supplied as a set of two pre-weighed packs in exact proportions.
- The component A should be mixed prior to the addition of the component B. Component B should be added to the component A completely without leaving any residue in the packaging.
- Low speed (300 - 400 rpm) electrical stirrer should be used for mixing.
- Mixing should be for about 2 minutes until a homogenous mixture is achieved.
- The entire mixture should be poured into another container and remixed for 2 minutes more to ensure a homogenous mixture.
- Over mixing should be avoided in order to prevent air entrainment.

➤ Application of Material

- A smooth and continuous primer layer by **ShaliPrime® 2E SF** should be ensured. Primer layer can be applied by a roller or brush.
- After priming, the surface has to be kept for drying - approximately 6 - 12 hrs.
- **ShaliFloor® Deck Coat** should be spread over the surface by a trowel and finalized with a textured roller to provide final texture.
- **ShaliFloor® Deck Coat** is to be applied in a single coat application on to the primed surface / epoxy screed underlay.

Precautions

- Application is not allowed in the areas where rising moisture exists.
- Freshly applied **ShaliFloor® Deck Coat** must be protected from dampness, condensation and water for at least 24 hours.
- Attention should be paid to the temperature, moisture and dew point conditions. Application should not be continued if the temperature decreases, rising temperature during the application or before complete drying can create pinholes on the surface.
- For colour matching same batch numbered products should be used.
- Applicators and operators shall use appropriate personal protection equipment when using this product.
- Shelf life is valid for appropriate storage conditions without opening the pails.

Value base of product data

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control and different test methods.

Health and Safety information

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent **Material Safety Data Sheet**.

- Please observe the precautionary notices displayed on the container.
- Use under well ventilated conditions.
- Do not inhale spray mist.
- Avoid skin contact.
- Spillage on the skin should immediately be removed with suitable cleanser, soap and water.
- Eyes should be well flushed with water and medical attention sought immediately.
- If swallowed, seek medical attention immediately. Do not induce vomiting.

Cleaning & Maintenance

Clean all tools immediately after use with STP Thinner only. Do not allow the material to harden.



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