

SOLIDPRIME 321

Epoxy Floor Primer & Scraper Coat

Pigmented epoxy scraper coat primer designed to form part of the high build self-levelling epoxy flooring systems.

It is applied to substrates to ensure a strong bond, filling pores and voids to reduce outgassing and to provide the ideal basecoat and contributes to a good film build for further epoxy and polyurethane self-levelling topcoat applications.

UNIQUE PRODUCT BENEFITS

- Epoxy and polyurethane compatible.
- Provides an excellent bonding surface.
- Fills voids and surface irregularities.
- Good low temperature cure.
- Moisture tolerant.

APPLICATIONS:

- Factories and warehouses
- Plant walkways
- Ablution blocks, Schools
- Automotive workshops
- Food processing plants
- Clean room environments

TECHNICAL DETAILS

Compressive Strength	> 60 MPa	BS6319
Tensile Strength	> 50 MPa	
Concrete Adhesion	> 1.5 MPa	ASTM D7234
Hardness	80	Shore D
VOC	50 g / L	
Pot Life	60 min. @ 20°C	
Yield	21 L	
Tack Time	4 to 5 hrs	
Overcoat	8 to 18 hrs	
Full Cure	5 to 7 days	
Components	3	
Mix Ratio	As supplied	
Colour	Light Grey	
Finish	Fine Texture	
Coverage	3 to 3.5 m ² / L	
	60 to 70 m ² / 21 L	
Dry Film Thickness	Approx. 300 µm	
Application	Steel trowel or squeegee	
PACKAGING		
5 L - Solidprime 321 Activator		
10 L - Solidprime 321 Epoxy		
16 kg - Solidprime 321 Filler		

Leading manufactures of specialist epoxy and polyurethane flooring systems, specialised construction and corrosion protection products.

Distribution facilities nationwide

Western Cape

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SUBSTRATE REQUIREMENTS

Concrete substrates must have a minimum compressive strength of 20 to 25 MPa, a minimum tensile pull-off strength of 1.5 MPa and be free of oil, fat, grease, dust, and loose friable materials. The moisture content should be less than 5% and free from rising damp.

Note: Any filling of blowholes / voids and surface levelling of substrate can be achieved using appropriate products within Technical Finishes Construction Range (please speak to one of our technical sales representatives).

PREPARATION

Remove all previous coatings, unbonded concrete and laitance mechanically through diamond grinding, abrasive blasting or scarifying to obtain a sound and porous surface (sandpaper texture). Sweep dust and loose debris followed by vacuuming, to obtain a dry and dust-free surface.

MIXING & APPLYING

Ensure application conditions of 15 to 28°C and that the concrete has a moisture content below 5%.

Mixing

Mix Part 1 with a mechanical mixer in a 25 L bucket. Slowly add the Part 2 into Part 1 and stir using a mechanical mixer for 2 minutes. Add the filler component while mixing until a lump free consistency is achieved. Ensure the mixing paddle scrapes the sides of the mixing vessel. The mix should not be kept in the container as it will start to cure rapidly.

Placing

Pour the entire mix onto the floor in a ribbon and trowel or squeegee out to the required thickness of 300 µm using a scraper coat technique and allow to cure for 6 - 8 hours before proceeding with topcoats.

Lightly sand (80 to 120 grit) to remove any projections and to ensure a smooth finish. Vacuum the floor and wipe down with a damp cloth to remove all traces of dust on the surface before applying subsequent coats. A second coat may be applied once the first coat is thoroughly touch dry (8 hours), and within 18 hours.

Note: Certain subsequent flooring or topcoats to be applied require the primed surface to be broadcast with scatter sand. In such cases broadcast the relevant scatter sand at 0.5 to 1.0 kg / m² into the wet primer coat.

WATCH POINTS

Adhere to mix ratios as supplied and do not mix partial batches. The use of spike shoes is required. Do not thin with water or solvent. Equipment should be washed with epoxy thinners before product has hardened, once hardened it can only be removed mechanically.

HEALTH AND SAFETY

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHS No.85 of 1993. The finished system is not hazardous to health or the environment.

WARRANTY

Technical Finishes products are manufactured under high quality standards and are warranted against defective materials and are sold subject to standard Terms and Conditions of Sale, copies of which can be obtained upon request. Technical Finishes deals with approved applicators and carry a back to back warranty with these clients. Technical Finishes cannot be held responsible for the workmanship in surface preparation and application of our products, it is understood that the approved contractor will guarantee such workmanship and application. It is vital that the application is done in accordance to our specification.

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