

NANOSCREED

Decorative Thin Layer Self-Levelling Compound

Nanoscreed is a decorative, cementitious, polymer modified, twin pack, self-levelling flooring compound designed to provide an attractive smooth finish to concrete floors. Nanoscreed is polymer modified to add strength, durability and good adhesion to most mineral based substrates.



BENEFITS:



Easy to use.



*Self-levelling.
High spread rate.*



Quick drying.



*High early strength development.
Good mechanical abrasion
resistance.*



Improved flexibility.



Versatile and economical.

TECHNICAL DETAILS

Mix Ratio	5 L (Liquid) : 17 kg Bag
Yield	12 L
Coverage	20 m ² @ 500 um 12 m ² @ 1 mm
Pot Life	15 - 20 minutes
Cure Time	12 hours (Light traffic) 18 hours (Over coat)

PACKAGING

22 kg kits consisting of 5 L liquid and 17 kg powder.
Store in a cool dry place away from direct sunlight.

APPLICATIONS:

- Domestic environments
- Self-levelling underlayment
- Decorative toppings
- Aesthetic wall finishing

PRECAUTIONS

Cement based products are sensitive to temperature and heat. Avoid direct sunlight during application and close all windows. Exterior applications are possible but not recommended.

DIRECTIONS

Single coat applications of 500 microns are possible as well as up to 1 mm in thickness are achievable in one application. If applied too thick, the product will exhibit a tendency for hairline cracks. Avoid over troweling.

SURFACE PREPARATION

Surfaces to be coated must be dust and oil free and minimum 20 - 25 MPa compressive strength. Prepare the surface by removing all existing coatings to achieve an open textured and porous surface. Wet the prepared surface with clean water, then apply a block brush layer of **Techfin Waterguard** and allow to set hard. Before application, apply a bond coat layer of **Techfin Probond** and allow to dry for 15 - 20 minutes. Then apply the **Nanoscreed** onto the partially dry bond coat.

Gauteng

35 Activia Rd, Activia Park, Germiston, 1610
Tel: +27 11 822 7242

info@technicalfinishes.com

Kwa-Zulu Natal

41 Circuit Rd, New Germany, 3610
Tel: +27 31 705 7733

Western Cape

Cnr Gunners Circle & Fisher Ave, Epping 1, 7475
Tel: +27 21 535 4455

Tiled substrates will need to be prepared by diamond grinding followed by **Solidkote 110** epoxy and broadcast to saturation with fine silica sand (AFS 38-55). Vacuum all loose silica and apply a **scraper coat** of Nanoscreed before a top layer of Nanoscreed to finish. Allow sufficient drying time between each applied coat.

MIXING

Decant approximately $\frac{3}{4}$ of the supplied 5 L polymer liquid into a bucket and slowly add the powder while mixing with a mortar mixer. Once the full portion of powder is added to the liquid, mix the product well for 2 - 3 minutes to a uniform and lump free consistency. While mixing, add the remaining polymer liquid into the mixture and mix for a further 2 minutes before application.

APPLICATION

Pour the mixed product out onto the floor and spread by hand using a trowel. For larger floors a pin-rake or notched rake may be used but a gentle glide of a trowel assists with a better finish. Spike shoes will assist with floating after spreading.

For a mottled finish, allow to set for 20 - 30 minutes before applying a flick of water with a block brush and trowel again with a polishing action to achieve the desired smooth finish. A mottled look will result by using a steel trowel in order to burnish the surface and create a marble like result. Avoid over troweling.

SEALING

Once fully dry, approximately 24 hours, apply a suitable sealer coat such as Mikon Sealer (2 coats), followed by a final sealer coat using Solidkote UVC Clear. For a matt finish, apply 3 coats of Solidkote UV Satin. Nanoscreed must be sealed once applied for cleanability as well as longevity of the finish.

SPECIFICATION:

Nanoscreed is designed as a decorative levelling compound for floor systems and should be used as supplied. Please contact your sales representative should your floor require any further attention. Nanoscreed should be tested on site to affirm its suitability for a particular application.

HEALTH AND SAFETY:

NANOSCREED is a cementitious based product and should be treated as such. Wear rubber gloves for skin protection and dust masks while mixing.

Please read Safety Data Sheet and specific health and safety data for this product provided in compliance with the requirements of OHSA 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.

Gauteng

35 Activia Rd, Activia Park, Germiston, 1610
Tel: +27 11 822 7242

info@technicalfinishes.com

Kwa-Zulu Natal

41 Circuit Rd, New Germany, 3610
Tel: +27 31 705 7733

Western Cape

Cnr Gunners Circle & Fisher Ave, Epping 1, 7475
Tel: +27 21 535 4455

www.technicalfinishes.com