

## SOLIDSCREED 400

High Strength Polymer Modified Concrete Screed

Solidcreed 400 is a ready to use blend of hard wearing aggregates, polymer modified cement and additives which produces a hard wearing, impact resistant 30 - 100 mm floor overlay. Solidcreed 400 should be used to overlaying damaged concrete floors or for patch repairing where partial damage has occurred. As a floor, Solidcreed 400 provides higher early strength and a harder wearing surface than conventional concrete.

### BENEFITS:



*High early strength.  
Durable.*



*Economical.  
Easy to use.  
Reduces maintenance costs.*



*Increased abrasion resistance.*



*Concrete appearance.*



*Early traffic - 24 hours.*



*Bonds exceptionally well to  
existing concrete.*



*60% less permeable to oil and  
grease penetration than plain  
concrete.*

### TECHNICAL DETAILS

|                      |                                   |
|----------------------|-----------------------------------|
| Appearance           | Grey aggregate                    |
| Mix Ratio            | 5 L water : 40 kg bag             |
| Yield                | 20 L                              |
| Coverage             | 2 m <sup>2</sup> @ 10 mm          |
| Pot Life             | 20 minutes                        |
| Minimum Thickness    | 10 mm                             |
| Maximum Thickness    | 50 mm                             |
| Compressive Strength | 1 day - 30 MPa<br>3 days - 40 MPa |

### PACKAGING

Solidcreed 400 is supplied in 40 kg bags.

### APPLICATIONS:

- Concrete floor overlays
- Screed to falls
- Concrete repair mortar
- Grouting
- Machine base plates
- Crane and transporter rails
- Bridge bearings
- Filling large voids in concrete or steel sections.

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## DIRECTIONS

Substrates must be minimum 20 MPa, scarified or shot blasted. Degrease with Liquid Action to remove oil, grease, and contamination. Mark out existing control joints for cutting later once the Solidscreed 400 has set. When ready for Solidscreed 400 screed, apply a bonding slurry of 1 L Techfin Hi-Density Bonding Liquid with 2 L OPC cement powder. Wet the substrate with water first and then block brush the slurry over the entire surface. Repeat slurry coat on thirsty surfaces or when dry. Apply screed wet on wet for best results.

## APPLICATION

Mix the Solidscreed 400 as supplied in a pan mixer or concrete mixer to produce a "wet mix" by adding 5 L of water into the mixer, then add the entire bag of powder. Mix for 2 - 3 minutes until a smooth free flowing mixture is obtained. Empty the contents of the mixer onto the wet floor coated with the slurry mix and rake out between screed bars (used to demarcate the area the mix will fill to 10 - 50 mm). Smooth out with a straight edge to level and wood or steel float to finish. Allow to gel approximately 1 - 2 hours and steel float to obtain a smooth, polished finish.

## HEALTH AND SAFETY:

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.

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