

PREM-BASE 760

Self-Smoothing Screed

DESCRIPTION

PREM-BASE 760 is a free-flowing self-smoothing industrial floor screed. It is a cementitious product which is mixed with water to produce a highly fluid screed which once cured has excellent mechanical properties making it suitable for heavy industrial use.

USES

PREM-BASE 760 is designed for use as an underlayment for PREM-TOP 720 or for floor coverings and industrial coatings. Its self-smoothing properties make it suitable for re-surfacing of existing concrete floors with an application thickness of between 5mm and 50mm.

ADVANTAGES

- Suitable for hand or pump placement.
- Rapid drying.
- Low odour.
- Self-smoothing.

PROCEDURE

Surface Preparation: Correct surface preparation is paramount for the success of the applied coating. Concrete and masonry surfaces should be sound clean and free from dust, surface laitance, grease, hydrocarbons and other deleterious materials. It is important to prepare the surface by mechanical means such as, vacuum grip blasting and diamond grinding to ensure the complete removal of any contaminants and to provide an adequate key for the coating. The moisture of new concrete substrates should be less than 97% R.H. Imperfections in the substrate should be repaired using a suitable PREMCRETE REPAIR PRODUCT. Steel surfaces should be grit blasted to a nominal SA 2.5 Swedish standard. Steel substrates should be primed immediately once preparation has finished to obviate flash rusting.

Priming: The prepared substrates should be primed using EPONITE TACKPRIMER applied in accordance with the appropriate technical datasheet. A quartz aggregate should be broadcast into the wet primer and the primer should be allowed to harden. Once hardened the excess aggregate should be removed before overcoating with PREM-BASE 760.

Mixing: PREM-BASE 760 should be mixed with 4.25ltrs of clean water per bag, using a forced action mixer or slow speed drill and mixing paddle until a uniform consistency is achieved. Once mixed the product should be allowed to stand for 2mins to allow any trapped air bubbles to disperse.

Application: PREM-BASE 760 should be poured or pumped onto the prepared substrate and levelled using a trowel or pin leveler to the desired thickness. Once levelled the screed should immediately be de-aerated using a spiked roller to remove any trapped air bubbles.

Equipment Cleaning: Tools and equipment should be cleaned immediately using water.

Property	Value
Colour	Concrete Grey
Mixed Density	2125kg/m ³
Compressive Strength	12 MPa @ 24hrs 20 MPa @ 7 Days 31 MPa @ 28 Days
Flexural Strength	5 MPa @ 7 Days 8.4 MPa @ 28 Days
Pot Life @ 20°C	30mins
Flow Ring Values	110-130mm (using 30mm Ø x 50mm flow ring (EN 12706))
Controlled Expansion	0.02% @ 7 Days 0.03% @ 28 Days



Revision date: 23/1/23

Curing: PREM-BASE 760 will have hardened sufficiently after 6hrs at 20°C to withstand light foot traffic. 7 days should be allowed before being put back into full service.

PACKAGING & COVERAGE

Pack Size: PREM-BASE 760 is supplied in 25kg packs.

Coverage: A 25kg pack will yield approximately 13.8ltrs of mixed material. A 25kg pack will cover approximately 1.4m² at 10mm thickness.

STORAGE & SHELF LIFE

PREM-BASE 760 should be stored in clean dry conditions at temperatures between 10°C and 25°C. When stored in unopened packs the product will have a shelf life of 12 months.

HEALTH & SAFETY

See separate material safety datasheet.