

# EPOSCREED HD

## Heavy Duty Epoxy Screed

### DESCRIPTION

EPOSCREED HD is a three-component epoxy floor screed for use as a highly impact resistant screed for areas that are heavily trafficked. The pack consists of a base component, a curing agent and an aggregate component supplied in pre-weighed packs for mixing onsite. The components are mixed together and applied to the substrate at a thickness of 4mm to achieve an extremely hard wearing chemical resistant finish.

### USES

EPOSCREED HD is suitable for application where an extremely heavy-duty screed is required with both protective and decorative properties. Applications include, workshops, factories, petrol chemical plants, breweries, etc.

### ADVANTAGES

- Excellent abrasion and impact resistance.
- Excellent chemical resistance.
- Extremely hard wearing.
- Good slip resistance.

Property	Value
Colour	Grey (Any RAL colour can be mixed)
Density	2105 Kg/M <sup>3</sup>
Pot Life @ 20°C	60 mins
Compressive Strength @ 20°C	60 MPa @ 7 Days
Flexural Strength	22 MPa
Tensile Strength	10 MPa
Taber Abrasion Resistance	80 mg weight loss per 1000 cycles test (CS 17)
Water Absorption	<0.15 % after 7 days immersion
Maximum Service Temperature	65°C

### 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.

**Priming:** The prepared substrates should be primed using EPONITE TACKPRIMER in accordance with the appropriate technical datasheet, it should be allowed to tackify but not completely harden before applying the mortar.

**Mixing:** The base component and curing agent should be mixed thoroughly, using a slow speed drill and mixing paddle, before slowly adding the aggregate component whilst still mixing until a homogeneous mortar is achieved, which has uniform consistency and colour. Once mixed the mortar should be placed immediately as it has a short pot life.

**Application:** The mixed screed should be laid at a nominal thickness of 4 to 6 mm, using a screed box or screed bars, taking care to ensure that the screed is well compacted. Once levelled to the correct thickness, then the screed is finished using a stainless-steel trowel to achieve a good finish.

**Equipment Cleaning:** Tools and equipment should be cleaned immediately using PREMCRETE CLEANING SOLVENT.

**Curing:** EPOSCREED HD should be allowed to cure for a minimum of 24 hrs at 20°C prior to foot traffic. Allow 48hrs prior to vehicular trafficking. Full chemical resistance will be achieved after 7 days at 20°C.

## PACKAGING & COVERAGE

**Pack Size:** EPOSCREED HD is supplied in 25 Kg packs.

**Yield:** A 25 Kg pack will yield approximately 12 ltrs of mixed screed.

**Coverage:** A 25 Kg pack will cover approximately 2 M<sup>2</sup> at a thickness of 6mm.

## STORAGE & SHELF LIFE

EPOSCREED HD should be stored in clean dry conditions at temperatures between 10°C and 30°C. When stored in unopened containers the product will have shelf life in excess of 12 months.

## HEALTH & SAFETY

see separate material safety datasheet.

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