

EPOSCREED

Heavy Duty Epoxy Screed

Description

EPOSCREED is a three pack, epoxy resin based floor screed designed for application at 4 - 6 mm thicknesses. EPOSCREED comprises a BASE component, a CURING AGENT and a specially graded AGGREGATE component. EPOSCREED is easy to apply and does not stick to the trowel. EPOSCREED is non-dusting, chemical and abrasion resistant, anti-slip in nature and may be rapidly opened to traffic.

Typical Uses

Seamless, protective and decorative, thin section screeds for food factories, dairies, abattoirs, plating shops hospitals, sugar refineries, breweries, chemical bunds, etc.

Advantages

- Highly durable
- Abrasion and Impact resistant
- Non-slip
- Easily maintained
- Excellent chemical resistance.
- Low odour

Typical Properties

Density: 2.1 kg/litre
Volume yield: 11.9 litres per pack
Coverage: 2.5 m² @ 5 mm thickness
Pot Life: 50 - 60 minutes @ 20°C
Compressive strength: 65 N/mm² after 7 days
Flexural Strength: 24 N/mm²
Tensile Strength: 11.4 N/mm²
Taber Abrasion Resistance: 80 mg weight loss per 1,000 cycle test (CS17)
Water Absorption: <0.1% by weight after 7 days immersion
Maximum Service Temperature: 70°C (continuous); 90°C (intermittent)
Chemical Resistance: Excellent resistance to a wide variety of industrial chemicals. Please consult our Technical Department for specific advice.

Surface Preparation

a) New concrete floors shall be cured for a minimum of 21 days and/or until the residual moisture content is below 6%. The floor shall then be prepared by grit blasting, mechanical scabbling, or similar, to produce a clean, exposed aggregate finish, free from dust, dirt, oil, grease, laitance and other contaminants.
b) Old concrete shall be mechanically prepared to remove all contaminants. Defective concrete shall be removed, cutting back to sound substrate and patch repairs may be carried out as required.

Mixing

The use of mechanical, forced action mixer such as a Creteangle, is strongly recommended. Pour the contents of the Curing Agent into the Base container and mix thoroughly. The mixed resins shall be poured into a mixing vessel (Creteangle bucket or similar) and the aggregate added steadily whilst the mixer is in motion. Mix for 2 - 3 minutes until a uniform material is achieved.

Priming

Apply a coat of EPOTACKPRIME to the prepared surface at a rate of 3.5 to 7.0 m²/kg (depending upon surface texture) Within 90 minutes of the primer application, EPOSCREED may be applied.

Application

Lay the material, utilising screeding bars or screed box, ensuring good compaction, and finish with a stainless steel or chemically resistant plastic float.

Equipment Cleaning

Clean all equipment with CEMART TOOLCLEAN, prior to curing of the mixed material.

Curing

EPOSCREED should be allowed to cure for a minimum of 18 hours @ 20°C prior to light foot traffic. Allow 48 hours cure prior to general trafficking. 7 days cure @ 20°C is required to achieve optimum chemical resistance. Curing will be slower at lower temperatures. Do not apply EPOSCREED at temperatures below 5°C.

Packaging

EPOSCREED is supplied in 25 kg packs.

Coverage

Approximately 2.5 m² per pack at 5 mm thickness.

Sealing

EPOSCREED is a semi-porous material. For regularly wet areas or areas where chemical contamination is possible, EPOSCREED can be sealed with EPOCOAT HB. See separate technical datasheet.

Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C. Avoid low temperature storage prior to use of the material. EPOSCREED has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturers instructions.

Health and Safety

Avoid contact of the material with skin and eyes. Wear appropriate gloves, overalls and eye protection during use. Please refer to material Safety Data Sheet for additional information. For specific advice regarding any aspect of this product, please consult our Technical Department.

General Guidance

This Data Sheet is for general guidance purposes only and may contain information that is inappropriate for certain conditions of use. Accordingly, all recommendations and suggestions are made without guarantee. Further information is available from our Technical Department. Please consult our Sales Department to confirm that this Data Sheet is the current issue