Tufscreed

Description
Tufscreed is a three pack, Epoxy resin-based floor screed designed for application at thicknesses of 4 – 6mm. Tufscreed comprises a BASE component, a CURING AGENT and a specially graded AGGREGATE component. Tufscreed is easy to apply and does not stick to the trowel. Tufscreed is non-dusting, chemical and abrasion resistant, non-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

Colour:	Light grey (any BS4800 or RAL colour can also be supplied)
Density:	2.1 Kg/Litre
Volume yield:	11.9 Litres per pack
Coverage:	1.9 -2.0 Sq.m. @ 6mm thickness
Pot Life:	50 -60 minutes @ 20C
Compressive strength:	65 N/Sq.mm. after 7 days
Flexural Strength:	24N/Sq.mm
Tensile Strength:	11.4N/Sq.mm.
Taber Abrasion Resistance:	80 mg weight loss per 1 000cycle test (CS17)
Water Absorption:	<0.1%by weight after 7 days immersion
Maximum Service Temperature:	70C (continuous); 90C (intermittent)

Chemical Resistance: Excellent resistance to a wide variety of industrial chemicals.

Procedure

1.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.

2. Mixing
The use of mechanical, forced action mixer such as a Creteangle, is strongly recommended. Pour the contents of the Curing Agent tin into the Base tin 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.

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Paints and Coatings for Industry

3. Priming
Apply a coat of Tack Primer to the prepared surface at a rate of 3.5 to 7.0 Sq.m./Kg (depending upon surface texture). Within 90 minutes of the primer application Tufscreed may be applied.

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

5. Equipment Cleaning
Clean all equipment with Toolclean, prior to curing of the mixed material.

6. Curing
Tufscreed should be allowed to cure for a minimum of 18 hours @ 20C prior to light foot traffic. Allow 48 hours cure prior to general trafficking.7 days cure @20C is required to achieve optimum chemical resistance. Curing will be slower at lower temperatures. Do not apply Tufscreed at temperatures below3C

7. Packaging
25kg

8. Coverage
1.9 -2.0 Sq.m per pack @ 6mm thickness.

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

10. Limitations
Do not apply to wet, uncured or contaminated surfaces.
Do not apply at temperatures of 3C or less.

11. Health & Safety
Avoid contact of uncured materials with skin or eyes. Wear appropriate protective clothing.

Refer to Material Safety Data Sheet for full information.