

ALTROCAST TB SCREED

3 mm MULTI – COLOUR SOLVENT FREE EPOXY SCREED

Ref. No: ATD 041

Date: JULY 2001
Issue 1

PRODUCT DESCRIPTION

Altrocast TB screed utilises single size coloured quartz, (0.4 to 0.8) bound with solvent free epoxy resins to provide a medium strength, lightweight, chemically resistant and decorative floor surface.

Applied at 3 mm, Altrocast TB screed provides a decorative, economic floor finish for pedestrianised areas. Traction may be varied by the system design to a balance between slip resistance and ease of maintenance.

TYPICAL AREAS OF USE (PEDESTRIAN ONLY)

- * Dry Food Preparation Areas
- * Dry Food Processing
- * Lightweight production
- * Corridors/ Offices

ADVANTAGES

- * Variable Traction
- * Medium Impact Strength
- * Can be Laid to Falls
- * Chemically Resistant
- * Vertical Application Possible
- * Abrasion Resistant
- * Attractive Colour Range

HEALTH AND SAFETY WARNING:

Wet Floors can be Dangerous, A Duty of Care must always be exercised, in Wet Areas.

RECOMMENDATIONS

Alternative Seals and Systems

- Dry Areas where slip resistance is not seen as a priority: see Altroshield Seal Clear.
Slip Potential: Wet – High Dry – Low
- Areas subject to occasional / accidental spillage: see Altroquartz Seal Clear Plus.
Slip Potential: Wet – Low Dry – Low

SUITABLE SUBSTRATES INCLUDE

Concrete, Granolithic, Polymer Modified Screeds, Terrazzo,

STANDARD COLOURS:

Snowdonia, Pennine, Cheviot, Malvern, Brecon, Chiltern, Highland, Cotswold,

CHEMICAL RESISTANCE

Altrocast TB Screed affords moderate resistance to a wide range of commonly used chemicals. An extensive listing is shown in the Chemical Resistance Data Sheet.

SUBSTRATE REQUIREMENTS

Surfaces should be dry, structurally sound and free from any contamination that may affect either adhesion or penetration.

All residues of old paint coatings, installation laitence and dust must be removed. Ensure that floors and walls have an effective DPM installed and that residual moisture does not exceed 5% by weight (75% R.H).

PREPARATION

Detailed instruction sheet ref no. ATD029 is available on request covering all aspects of surface preparation and product application procedures.

INSTALLATION CONDITIONS

Refer to installation sheet *****

FLOOR JOINTS/DETAILING

Refer to instruction sheet.

COVERAGE 3.3m²/23kg unit @ 3mm

Material usage is dependent upon temperature, surface profile and porosity; stated coverage rates should be referred to for guidance only and cannot be relied upon to determine exact quantities.

PROPERTIES

| | |
|-------------------------------|--|
| Application Temperature Range | + 7 ⁰ - + 25 ⁰ C |
| Resin Gel Time (100g @ 20°C) | 25 - 30 mins |
| Foot Traffic | 24 hrs |
| Full Cure | 7 days |

TYPICAL PHYSICAL PROPERTIES

| | |
|---|------------------------|
| Hardness (SHORE D): | 89 |
| Slant/Shear Bond Strength: | 32.35N/mm ² |
| Taber Abrasion (wt.loss/H22 wheel/1kg/1000revs.) | 0.14 mm |
| Resin Density (BS. 6319): | 1.93 g/cm ³ |
| Water Absorbtion (BS. 2782): | +0.01% |
| Compressive Strength (BS.6319): | 91.8N/mm ² |
| Flexural Strength (ASTM D790): | 24.21MPa |
| Tensile Strength (BS.6319): | 14.96N/mm ² |
| Flexural Modulus (ASTM D790): | 985MPa |
| Temperature of Deflection (BS. 6319) | 57.8°C |

PACKAGING

Available in 25kg, 3 part composite packs.

Associated Data Sheets and Further Information:

- Surface Preparation - Application Methods
- Chemical Resistance Chart
- Floor Maintenance - Resin Based Products
- Storage and Handling - Resin Based Products
- Material Safety Data Sheet - Altroscreeed Quartz

DATA SHEETS CANNOT COVER EVERY SITUATION. IF IN DOUBT. ASK.

Orders to: Tel: 0800 663360 Fax: 0800 663361

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ALTRO RESIN SYSTEMS™