

Description

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

Typical Uses

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

Advantages

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

Typical Properties

Colour: Light grey (BS4800 or RAL colours can also be supplied)

Density: 2.2kg/litre

Volume yield: 11.4 litres per pack

Coverage: 1.9m² @ 6mm thickness

Pot Life: 40 minutes @ 20°C

Compressive strength: 75 MPa after 7 days

Taber Abrasion Resistance: 80 mg weight loss per 1,000 cycle test (CS17 abrasive wheels).

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 range of industrial chemicals. Please consult our technical section for specific advice.

Packaging

Resbuild Ultrascreeed is supplied in 25kg packs.

Procedure

Surface Preparation

- a) Concrete shall be a minimum of 21 days old and/or the residual moisture content shall be below 6%. The concrete 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 container 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 consistency is achieved.

Priming

Apply a coat of Resbuild Ultraprime to the prepared surface at a rate of 3.3 to 5.0 m²/kg (depending upon surface texture).

Within 90 minutes of the primer application, Resbuild Ultrascreeed shall 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.

Sealing

For chemical resistant applications it is necessary to seal Resbuild Ultrascreeed with a minimum of two coats of Resbuild Ultracoat. Please refer to the Resbuild Ultracoat data sheet for application details.

Equipment Cleaning

Clean equipment with Resbuild Toolclean prior to curing of the coating.

Curing

Allow to cure for a minimum of 12 hours @ 20°C prior to light foot traffic access and 36 hours @ 20° prior to vehicular trafficking.

7 days cure @ 20°C is recommended prior to exposure to chemicals.

Curing will be slower at lower temperatures.

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. Do not expose to freezing conditions.

Resbuild Ultrascreeed has a minimum shelf life of 12 months when stored in original, unopened containers in accordance with manufacturer's instructions.

Coverage

1.9m² per pack @ 6mm thickness

2.8m² per pack @ 4mm thick

Limitations

Do not apply to wet, uncured or contaminated surfaces.
Do not apply at temperatures of 2°C or less.

Health and Safety

Wear gloves and goggles.
Wash off splashes immediately with soap and water.
Please refer to Material Safety Data Sheet for additional information.

Resbuild Ultrascreeed shall be applied strictly in accordance with the manufacturer's instructions.

For specific advice regarding any aspect of this product, please consult our Technical Department.

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on Resin Building Products Limited current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard terms and conditions of sale (available upon request).