

*Heavy Duty Epoxy Screed  
Durable and Impact Resistant*

Resbuild Tufscreed is a three pack Epoxy resin-based floor screed designed for application at 4-6mm thickness.

**Advantages**

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

**Typical Uses**

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

**Technical Information**

Specific gravity	2.08
Pot life 20°C	50-60 Minutes
Touch dry 20°C	12 Hours
Hard dry 20°C	16 Hours
Shore D hardness	75
Compressive strength	65MPa
Tensile strength	12MPa
Adhesion to concrete	4 MPa (Concrete Failure)
Taber Abrasion Resistance	80mg weight loss (CS17 wheels; 1kg loads, 1000 cycles)
Colour	Grey (Other colours available)

<b>UK CA</b>	
Resin Building Products Ltd Resbuild House, Unit 4, Durham Lane, Doncaster, DN3 3FE	
CPR-RBP-002-001 EN1504-2 Surface Protection Systems for Concrete 5.1	
Abrasion Resistance	80mg weight loss (CS17 wheels; 1kg loads, 1000 cycles)
Impact Resistance	≥20Nm
Adhesion Strength by Pull-off Test	>2MPa
Compressive Strength	≥50MPa
Capillary Absorption (water permeability)	< 0.5kg/(m <sup>2</sup> .h <sup>0.5</sup> )

**Chemical Resistance**

- Excellent resistance to 20% hydrochloric acid, 20% sulphuric acid, 10% citric acid, 25% sodium hydroxide, diesel, and petrol.
- Very good resistance to 10% lactic acid, 50% phosphoric acid, 10% nitric acid and 5% acetic acid.
- Good resistance to many common industrial chemicals.

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**ESTABLISHED  
1995**

### Application Conditions

Do not apply to wet or uncured concrete surfaces.  
Do not apply at temperatures of 3°C or less.

### Surface Preparation

- a) Concrete shall be a minimum of 21 days old and/or the residual moisture content shall be 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.

### Priming

Apply a coat of Resbuild Tack Primer to the prepared surface at a rate of approximately 0.3kg/m<sup>2</sup> (depending upon surface texture).

Within 90 minutes of the primer application, Resbuild Tufscreened may be applied.

### 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.

### 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

To help prevent dirt pick-up and to assist with cleaning, we recommend that following overnight cure, two coats of Resbuild Screedseal are applied. Refer to the Resbuild Screedseal data sheet for more information.

### Equipment Cleaning

Clean equipment with Resbuild Toolclean prior to curing of the coating

### Curing

Allow to cure for a minimum of 18 hours @ 20°C prior to light foot traffic access and 48 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.

### Packaging

Resbuild Tufscreened is supplied in 25kg packs.

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

### Coverage

A 25kg pack yields 12 litres of material, sufficient for an area of 3m<sup>2</sup> @ 4mm thickness.

### 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 Tufscreened 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.