

Description

Resbuild ET Slurry is a three pack material, consisting of equal volumes of Epoxy resin Base and tar-modified Amine Curing Agent components, together with a graded Filler.

The mixed material provides a waterproof, flexible, abrasion resistant, and seamless wearing surface, to which slip resistant or skid resistant characteristics can be conferred by the broadcasting of an appropriate Aggregate.

Resbuild ET Slurry may be applied directly to concrete or steel surfaces.

Typical Uses

Footbridges, ramps, loading bays, roadways, chemical bunds, sewage treatment works, effluent plants, wet working environments, car parks etc.

Advantages

- Excellent resistance to water and chemicals.
- Flexible
- Fast Cure
- Slip resistant/skid resistant finish
- Very good adhesion to concrete and steel surfaces
- Extremely durable and hard wearing

Typical Properties

Pot life @ 20C: 30-40 Minutes

Colour: Black

Compressive strength: 38N/mm²

Flexural strength: 28N/mm²

Temperature range during application: 3°C to 40°C

Temperature range in service: -30°C to 60°C

Chemical resistance: Excellent resistance to petrol, oil, aqueous acids and alkalis, sea water, etc. Please refer to our Technical department for specific recommendations.

Packaging

Resbuild ET is supplied in 30kg and 150kg packs

Procedure**Surface Preparation**

All surfaces shall be sound, clean, and free from dust, dirt, grease and other contaminants

- a) New concrete shall be allowed to cure for a minimum of 21 days. Laitance shall be removed, preferably by gritblasting. Any honeycombing, blow holes, etc., shall be filled using Resbuild EPA mortar, Resbuild Floorpatch, or even Resbuild ET Slurry itself.
- b) Steel surfaces shall be shot blasted or grit blasted to a bright metal finish (nominal Sa 2.5 Swedish standard).
- c) On concrete surfaces a coat of Resbuild WB primer shall be applied at a nominal rate of 0.2kg/m² and allowed to dry/cure for a minimum of 1 hour prior to Resbuild ET Slurry application. No primer is required for steel substrates.

Mixing

Resbuild ET Slurry consists of three components: the BASE, the CURING AGENT, and the FILLER, which are supplied pre-weighed in the correct proportions. The BASE component shall be added to the CURING AGENT component and the two liquids thoroughly mixed, preferably by mechanical means. The FILLER shall be added to the mixed liquid, and blended until a uniform consistency has been achieved. An electric drill with paddle attachment, or forced action mixer, will be suitable for the blending operation.

Note: Resbuild ET Slurry is formulated in a convenient 1:1 volume mix of Base and Curing Agent, which allows the 150kg packs to be part mixed.

Application

The mixed Resbuild ET Slurry shall be poured onto the prepared surface and spread out with a serrated trowel or steel float to a thickness of 2-4mm, as required. The material may be spiked/rollered, as necessary, but this will not usually be required when an aggregate broadcast is to be made. When a slip/skid resistant finish is required, an appropriate Aggregate (such as Dynagrip, Calcined Bauxite, Flint or Quartz) should be broadcast at a nominal rate of 6-15kg/m². The following day excess Aggregate may be swept from the floor.

Curing

Walk on time @20C: 4 hours

Cure time before vehicular traffic @ 20C: 16 hours

Time before immersion @ 20C: 1 day

Full chemical resistance@20°C: 7 days

Note: Lower ambient and substrate temperatures will result in extended curing times.

Equipment Cleaning

Clean all equipment immediately after use with Resbuild Toolclean

Storage and Shelf Life

Store in dry conditions at temperatures between 10°C and 25°C. Do not expose to freezing conditions.

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

Coverage

A 30kg pack is sufficient to cover an area of 5.7m² at thickness of 3mm.

Note: The thickness of the overall system will be dependent on the type and quantity of aggregate used to 'blind' the surface.

Limitations

Do not apply to wet or uncured concrete surfaces. Do not apply at temperatures of 3°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 ET Slurry shall be applied strictly in accordance with the manufacturers instructions

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

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).