

E1

POLYWED EPOXY 770

2 PART SOLVENT FREE EPOXY COATING

EPOXY BONDING

A two-part, high-build, solvent free, coloured epoxy resin. Suitable for use in hot and tropical climatic conditions.

USES

Epoxy 770-E1 may only be used by experienced professionals.

Epoxy 770-E1 can be used as a:

- Roller coat for concrete and cement screeds with normal up to medium heavy wear for example storage and assembly halls, maintenance workshops, garages and loading ramps.
- A broadcast system for multi-storey and underground car parks, maintenance hangars and for wet process areas, for example beverage and food industry.

ADVANTAGES

Good chemical and mechanical resistance

- Easy application
- Economical
- Liquid proof
- Gloss Finish
- High Slip resistant surface when broadcasted

PRODUCT INFORMATION

Composition	Pigmented Epoxy resin
Packaging	5 kg / 15 kg pails
Appearance / Colour	Pigmented
Shelf Life	12 months from date of production
Storage Conditions	Store in a dry area in original sealed packaging at temperatures between +5 °C and +30 °C. Protect from direct sunlight, heat and moisture.
Density	Part A: ~1.71 kg/l (at +25 °C) Part B: 1.09 kg/l Mixed Resin: 1.57 kg/l
Solid Content	100 % by weight

TECHNICAL INFORMATION

Compressive Strength	up to 75 N/mm ² (28 d / +25 °C) (ASTM C579-18)
Tensile Strength	15 N/mm ² (28 d / +25 °C) (ASTM C307-18)
Tensile Adhesion Strength	1.2 N/mm ² (failure in concrete) (BS1881 part 207)

APPLICATION INFORMATION

Pot Life	15 mint at temperature +30 °C
Consumption	Roller Coating 0.3-0.35 kg/m ² per coat Textured Roller Coating 0.6 - 0.8 kg/m ² per coat

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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

- The concrete substrate must be sound and of sufficient compressive strength (minimum 25 N/mm²) with a minimum pull off strength of 1.5 N/mm².
- The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.
- Concrete substrates must be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove cement laitance and achieve an open textured surface.
- Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.
- Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate products from the range of materials.
- All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

MIXING

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 3 minutes until a uniform mix has been achieved. When parts A and B have been mixed, add the quartz sand and if required the Extender T and mix for a further 2 minutes until a uniform mix has been achieved. To ensure thorough mixing pour materials into another container and mix again to achieve a consistent mix. Over mixing must be avoided to minimize air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity and dew point. Rough or unlevelled surfaces need to be levelled first. Epoxy 770 as coating, can be applied by short piled roller (crosswise).

CLEANING OF TOOLS

Clean all tools and application equipment with clean water immediately after use. Hardened / cured material can only be removed mechanically.

BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice on the safe handling storage and disposal of chemical products, users shall refer to the most recent MSDS containing all the details.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application.



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