

E4

POLYWED EPOXY CLEAR

SELF-SMOOTHING PIGMENTED EPOXY RESIN FOR FLOORING APPLICATION

EPOXY

Epoxy clear-E4 is a two part (filler supplied separately), self-smoothing, pigmented, epoxy resin for flooring application. Suitable for use in hot and tropical climatic conditions

USES

Epoxy Clear may only be used by experienced professionals. Epoxy clear is used as self-smoothing system for concrete and cement screeds with medium to heavy wear, e.g. for:

- Storage warehouses
- Assembly halls
- Maintenance workshops
- Garages and car parks
- Loading bays
- Aircraft hangars
- Plant rooms
- Clean rooms
- Production areas
- Dry food processing plants
- Pharmaceutical manufacturing

ADVANTAGES

- Highly fillable
- Good chemical and mechanical resistance
- Easy application
- Liquid proof
- Gloss finish
- Slip resistant surface possible

PRODUCT INFORMATION

Composition	2 Component Epoxy resin compound
Packaging	5 kg / 15 kg pails
Appearance / Colour	Standard
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	Mixed Resin: 1.83 kg/l(at +25 °C)
Solid Content	100 % by weight

TECHNICAL INFORMATION

Compressive Strength	up to 60 N/mm ² (28 d / +25 °C) (ASTM D695)
Tensile Adhesion Strength	1.5 N/mm ² (failure in concrete) (ASTM D4541)

APPLICATION INFORMATION

Pot Life	15 mint at temperature +30 °C
Consumption	1.6 - 2.0 kg/m ² /mm (depending on filling grade) applied as a self-smoothing
Curing Time	Fully cured 6h (30 °C)

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APPLICATION INSTRUCTION

SUBSTRATE QUALITY / PRE-TREATMENT

The substrate must be clean, dry, sound and homogeneous, free from oils, grease, dust and loose or friable particles. Paint, cement laitance and other poorly adhering contaminants must be removed.

- At least 50% of the surface area must be cleared of residual adhesive (i.e. by grinding).
- Preliminary bond strength testing is recommended.
- Concrete and/or cement screeds must be ground and thoroughly cleaned with an industrial vacuum on an open textured surface.
- Anhydrite screeds, including flowable anhydrite screeds, must be ground and thoroughly cleaned with an industrial vacuum shortly before coating.

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 minimise air entrainment.

APPLICATION

Prior to application, confirm substrate moisture content, relative air humidity and dew point. If > 4 % pbw moisture content, a suitable temporary moisture barrier system must be applied. Primer: Make sure that a continuous, pore free coat covers the substrate. If necessary, apply two priming coats. Apply Epoxy clear by brush, roller or squeegee. Preferred application is by using a squeegee and then backrolling crosswise. Levelling: Rough surfaces need to be levelled first.

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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