EPOFLOOR INDUSTRIAL

Go to TDS

SELF LEVELING

TWO-COMPONENT, SELF-LEVELING, FLEXIBLE EPOXY SMOOTHING COMPOUND SUITABLE FOR ALL TYPES OF SUBSTRATE, ESPECIALLY THOSE SUBJECT TO DEFORMATION.

PRODUCT DESCRIPTION

Epo Floor Industrial is a self-leveling, two-component epoxy resin-based smoothing and leveling compound. By carefully mixing the two components, an easy-to-apply, self-leveling paste is obtained, which may be used to form a beige-colored deformable surface with high mechanical strength, and which is perfectly flat and non-absorbent. Epo Floor Industrial may be applied at any thickness to even out highly-irregular surfaces on the substrate. Floor coverings may be laid on Epo Floor Industrial approximately 16 hours after applying the product.

FIELD OF APPLICATION

· Smoothing substrates before laying rubber or PVC floor covering with epoxy or epoxy-epoxy adhesives, in residential and industrial environments subject to heavy traffic.
· Smoothing deformable substrates, such as asphalt and bitumen concrete.
· Smoothing and waterproof protection layer of metal and aluminum substrates before laying resilient floor coverings.
· Smoothing and protection layer of substrates for wood, chipboard, marine plywood, etc.
· Smoothing over floor coverings in non-slip rubber, PVC, etc. before laying new floor coverings.
· Smoothing and waterproof protection layer for substrates which are sensitive to humidity, such as those in anhydrite and magnesium.

SUITABLE SUBSTRATES

· Concrete
· Cement Mortar
· Ceramic Tile and Stone primed
· Bitumen substrate
· Wood
· Plywood

LIMITATIONS

· Do not use if mixed with water or solvents;
· Do not use at temperatures lower than +5°C or higher than +30°C.
· Do not use on substrates subject to continuous rising damp.
· Use suitable specific cleaning equipment and detergent to clean the coating.
· Protect coatings from water for at least 24 hours after application.
· The temperature of the substrate must be at least 3°C higher than the dew-point temperature

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APPLICATION PROCEDURE

A) Preparing the substrate

A) Preparation of the substrate
The surface of concrete floors must be dry, clean and sound and have no crumbling or detached areas. The compressive strength of the concrete used for the substrate must be at least 25 N/mm² and its tensile strength must be at least 1.5 N/mm². The strength of the substrate must also be suitable for its final use and the types of load to which it will undergo. The level of moisture in the substrate must be a maximum of 4% and there must be no capillary rising damp. The surface of the floor to be treated must be prepared with a suitable mechanical process to remove all traces of dirt, cement laitance and crumbling or detached portions, and to make the surface slightly rough and absorbent. Before applying the product remove all dust from the surface with a vacuum cleaner. Any cracks must be repaired by filling them with Epoinject, while any deteriorated areas in the concrete must be repaired epoxy mortar. Apply primer as is or mixed with Quartz 0.5 on the substrate after it has been prepared as specified with a straight trowel or a rake. Immediately after applying primer, lightly broadcast the surface while still wet with Quartz 0.5 at a rate of 0.5 kg/m²; we advise against exceeding this consumption rate. Make sure there are no open pores in the surface of the substrate, otherwise air bubbles could escape and form small craters or pinholes in the self-leveling finishing coat.

B) Preparing the product

The two components which make up Epo Paint must be blended together just before application. Mix component A thoroughly and add the contents of component B. Add around 30% by weight of Quartz 0.25 and mix again with an electric mixer at low-speed to prevent entraining air into the mix (300-400 revs/min), for at least 2 minutes until the mix is completely blended. Pour the mix into a clean container and briefly mix again. Do not mix the product for too long to avoid entraining too much air into the mix. Apply the mix within the pot life indicated in the data table (refers to a temperature of +20°C). Higher surrounding temperatures will reduce the pot life of the mix, while lower temperatures will increase its pot life.

C) Applying the product

Pour Epo Paint on the surface of the floor and spread it out evenly with a smooth or notched trowel with “V” shaped. Using a notched trowel allows the thickness of the layer and the consumption rate of the product to be controlled more easily. Go over the surface with a spike roller several times while the product is still wet to even out the thickness of the coat and to remove any air entrained into the product during mixing.

COVERAGE / CONSUMPTION

The consumption is approximately 1.5-1.7 kg/m2 at 1 cm thickness.

PACKAGING

Epo Paint is supplied in:
– 20 kg buckets A+B

SHELF LIFE-STORAGE

Original sealed bags of this product are guaranteed to be of first quality for 24 months if stored off of the ground in a dry area. High humidity will reduce the shelf life of the bagged product.

SAFETY INSTRUCTION

Epo Floor Industrial component A is irritant for the eyes and skin, both component A and component B may cause sensitization when in contact with the skin of predisposed subjects. Epo Floor Industrial component B is corrosive, it may cause burns and damage to the eyes. The product contains low weight molecular epoxy resins, which may cause sensitization if cross-contamination with other epoxy compounds occurs. During use, wear protective gloves and goggles and take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of clean water and seek medical attention. When the material reacts it generates a high amount of heat. We recommend applying the product as soon as possible after mixing components A and B and to never leave the container unattended until it is completely empty. Furthermore, Epo Floor Industrial component A and component B are dangerous for aquatic life. Do not dispose of them in the environment. For further and complete information about the safe use of our product please refer to the latest version of our Safety Data Sheet. RESTRICTED TO PROFESSIONAL USERS.

TECHNICAL DATA

Product identity	
COMPONENT A	
Consistency of the mix	liquid
Color	beige
Density	1.7 g/cm³
Brookfield viscosity	6,800 mPa·s ± 200
Dry solids content	100%
COMPONENT B	
Consistency of the mix	liquid
Color	brown
Density	1.2 g/cm³
Brookfield viscosity	30 mPa·s ± 5
Dry solids content	100%
APPLICATION DATA (at +23°C and 50% R.H.)	
Mixing ratio (A+B)	6 : 1
Consistency of the mix	liquid
Color	beige
Density of mix	1,600 kg/m³
Brookfield viscosity	2,100 mPa·s ± 50
Application temperature range	from +5°C to +30°C
Pot life	approx. 30-35 minutes
Set to light foot traffic	approx. 12 hours
Waiting time before bonding	after approx. 16 hours
Final hardening time	after 7 days

EMISSION CLASS FOR BUILDING MATERIAL M1

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