

EPOTEK AUTOLIVELLANTE RAL

Self-leveling epoxy formulation specific for industrial resin floors



DESCRIPTION

EPOTEK AUTOLIVELLANTE is a tri-component self-leveling epoxy mortar specific for the construction of industrial resin flooring.

COMPOSITION

Tri-component product, based on solvent-free epoxy resins and cycloaliphatic amine hardener, added with spheroidal quartz fillers and sands with differentiated granulometry.

GENERAL CHARACTERISTICS

EPOTEK AUTOLIVELLANTE is specific for the realization of decorative – architectural floors in transparent resin with a thickness of 2 – 3 mm, characterized by excellent chemical / mechanical performance.

Its characteristic resides:

- Resistance to intense pedestrian transit and wheeled vehicles;
- wear resistance;
- resistance to contact with numerous chemical substances, both acidic and alkaline;
- Easy decontamination
- Excellent aesthetic appearance.

EPOTEK SELF-LEVELING has many application advantages:

- it is easy and quick to install,
- it is self-leveling,
- does not give rise to withdrawal,
- It lends itself to covering different types of support: concrete, stoneware, tiles, etc.

FIELDS OF APPLICATION

EPOTEK AUTOLIVELLANTE is specific for the realization of floors in many environments, industrial and civil: processing departments, storage areas, corridors and wherever high chemical or mechanical resistance is required: warehouses, shops, laboratories, canteens, exhibition halls, hospitals, discos, homes, etc.

SPECIFICATIONS

Color	RAL folder
Dry residue by weight (%)	98 ± 2
Specific gravity at 20 °C (A + B)	1.25 kg/dm ³ ± 0.05
Specific gravity at 20 °C (A + B + C)	1,7 kg/ dm ³ ± 0,05
Mixture ratio by weight A : B : C	20 : 6,4 : 21,6 15: 4,8: 16,2
(A = base, B = hardener, C = mineral charge)	
Pot-life (useful processing time) at 20 °C	30-35 min



Compressive strength	75.5 Mpa
Flexural strength	25.5 Mpa
Tensile strength	14.0 Mpa
Modulus of elastic (DBV)	6700 N/mm ²
Elongation at break(%)	1,5-1,7
Application temperature	+ 7 °C to + 35 °C
Inflammability	non-flammable

PREPARATION

The components are supplied in three separate containers:

A – base

B – catalyst

C – mineral aggregate of high hardness.

Mix components A and B separately in their respective containers; then pour component B into component A and stir for 4-5 minutes until the products are completely homogenized.

Then add component C and continue mixing until completely homogenized.

Avoid taking partial quantities from the packages to avoid any errors in the report that would cause a lack or incomplete hardening.

Mixing must always be carried out mechanically at low speed (not more than 600 rpm).

After mixing the components the product is ready for use, it does not need any dilution.

APPLICATION

The product should be applied on a dry substrate (to avoid bubbles and detachments), cleaned and degreased, treated with a specific primer, solvent-free epoxy anchor, EPOTEK PRIMER.

Pour the self-leveling mortar EPOTEK AUTOLIVELLANTE on the surface to be coated and spread it with the help of a notched trowel. On the layer of still fresh material pass a breaker-bubble roller in order to deaerate the coating.

(The resin coating can be reinforced with glass mesh to increase mechanical strength. The reinforcement is always recommended for large surfaces, exceeding 200 square meters).

THEORETICAL YIELD

On average, to obtain a thickness of about 2.5-3 mm, 4 kg of product is needed per square meter of surface.

PACKS

Component A = 20 kg (resin)

Component B = 10 kg (hardener)

Component C = 25 kg (quartz)

Component A = 15 kg (resin)

Component B = 7.2 kg (hardener)

Component C = 15 kg (quartz)

PRESERVATION

In original and intact containers, protected from excessive heat, the product is kept for about 12 months.

WARNINGS

Under normal conditions of use, the product is not harmful to its handlers. During application do not eat, do not drink and do not smoke, use protective clothing such as gloves, goggles and mask.

The information contained in this sheet is, to the best of our knowledge, accurate and accurate, but every recommendation and suggestion given is without any guarantee, not being the conditions of use under our direct control.



EPOTEK SELF-LEVELING RAL



In case of doubt it is always advisable to carry out preliminary tests or consult our technical department

LEGAL

The information contained in this technical sheet, although representing the most advanced stage of knowledge, does not exempt the user from carrying out accurate preliminary tests in his own conditions of use and operation. We therefore decline any responsibility for the improper use of the product.

TECHNICAL DATA SHEET



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