

# EPOTEK SELF-LEVELING RAL

Self-leveling epoxy formulation specific for industrial resin flooring



## DREGISTRATION

EPOTEK SELF-LEVELING is a three-component self-leveling epoxy mortar specific for the production of industrial resin flooring.

## COMPOSITION

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

## GENERAL FEATURES

EPOTEK SELF-LEVELING 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 lies:

- Resistance to intense pedestrian transit and wheeled vehicles;
- wear resistance;
- resistance to contact with numerous chemicals both acidic and alkaline;
- easy decontamination
- excellent aesthetic appearance.

EPOTEK SELF-LEVELING has many application advantages:

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

## FIELDS OF APPLICATION

EPOTEK SELF-LEVELING TRASP 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

Dry residue by weight (%)  $98 \pm 2$

Specific gravity at 20 °C (A + B)  $1,25 \text{ kg/dm}^3$

Specific gravity at 20 °C (A + B + C)  $1,7 \text{ kg/dm}^3$

Mixture ratio by weight A : B : C20 : 6.4 : 21.6

RAL folder color

$3 \pm 0,05$

$3 \pm 0,05$

15: 4,8: 16,2

(A = base, B = hardener, C = mineral charge)

Pot-life (useful processing time) at 20 °C  $30\text{-}35 \text{ min}$



Compressive strength 75,5 Mpa  
Flexural strength 25.5 Mpa  
Tensile strength 14,0 Mpa  
Elastic modulus (DBV) 6700 N/mm  
Elongation at break (%) 1.5-1.7  
Application temperature from + 7 °C to + 35 °C  
Flammability non-flammable

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## 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 mix for 4-5 minutes until the products are completely homogenized.

Then add component C and continue mixing until complete homogenization.

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

Mixing must always be carried out mechanically at a low number of revolutions (no 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 well-dried support (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 SELF-LEVELING 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 bubble breaker roller in order to deaerate the coating.

*(The resin coating can be reinforced with glass mesh to increase mechanical strength. The armor is always recommended for large surfaces, greater than 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 = 9,6 kg (hardener)

Component C = 20 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 the application do not eat, do not drink and do not smoke, use protective clothing such as gloves, glasses and mask.



# EPOTEK SELF-LEVELING RAL



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

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 performing accurate preliminary tests in their conditions of use and operation. We therefore decline any responsibility for the improper use of the product.

SHEET



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