

Epoxy Floor

Let's shine

Two-component
epoxy binder

CHARACTERISTICS

EPOXY FLOOR is a two-component, fluid, colorless and solvent-free epoxy formulation suitable for the formation of spatula mortars that can be used for repairing and restoring the surface of degraded and corroded industrial floors.

The product has excellent adhesion on the surface of the traditional building materials, also shows excellent workability and excellent punching resistance, thanks to the chemical-physical properties ensures resistance to heavy traffic, Reduced initial hardening times and possibility of elevations with even inclined connections, excellent resistance to water, diluted bases, oils and hydrocarbons.

Good resistance to diluted acid substances and solvents.

EPOXY FLOOR is used for levelling of irregular surfaces, for the repair and surface restoration of degraded and corroded floors or for volumetric recovery of pits and cracks. Generally applicable in all cases where rapid maintenance is required.

HOW TO USE

PREPARATION OF THE SUPPORT: the surfaces must be clean, free of dust, oil and grease. Crumbly parts, paint residues and anything that may affect the adhesion.

Any metal supports present in the affected areas must be free of rust, rolling slag and other impurities. For this purpose we recommend to intervene with an energetic brushing and with a special primer.

PREPARATION OF THE PRODUCT: pour **component B** (catalyst) into **component A** (resin) and mix with low-speed drill to avoid air fouling.

Gradually add under stirring the inert (quartz) until a homogeneous and free of lumps compound is obtained.

EPOXY FLOOR must be applied at a temperature between +10°C and +30°C.

Caution: do not apply to wet or dusty substrates and do not apply if the primer is hardened.

Let's shine is a line:

FEDERCHEMICALS™ s.r.l.

Via G. Borsi, 2 - 25128 Brescia - Italy

Tel. +39 030 3385578 - info@federchemicals.it

www.federchemicals.it

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Components **A + B**



A 18 kg +
B 9 kg



100 kg | 200 kg

APPLICATION: EPOXY FLOOR can be used as:

- 1) PRIMER (A+B)** mix only A+B and then spread evenly with the medium pile roller on the surfaces to be reconstructed.
- 2) BINDER FOR MORTAR TO BE REBUILT (A+B+INERTE)** Mix A+B and add the inert in the doses and modes provided,
 - Before the primer hardening, apply the reconstruction mortar, in the intended thickness, consisting of EPOXY FLOOR A+B and aggregates.
 - Processing and smoothing of helicopter mortar with fine blades and finishing with smooth spatulas to wire.

After hardening saturate the surface with **EPOXY FLOOR A+B** and apply the specific finish, for example: **EPORIV 30/FR** or **POLYLUX COLOR/FR**.

RIPENESS: for drying times (at 20°C) and ripening please refer to the data table below:

Workability time (Pot-life)	35 minutes
Start time intake	60 minutes
Dust-free	6 hours
Passability	24 hours
Complete hardening	7 days

PERFORMANCE OF THE PRODUCT IN OPERATION

Performance characteristic of A+B+quartz mortar loaded 1:9	Test method	Requirements in accordance with EN 13813 for screeds based on synthetic resins	Mortar performance A+B+quartz loaded 1:9
BCA wear resistance	UNI EN 13892-4	= 100 µM	28 gg = 10 µM
Adhesion strength (with primer)	UNI EN 13892-8; 2004	= 1,5 N/mm²	28 gg = 3,10 N/mm²
Impact resistance	UNI EN ISO 6272	= 4 N/mm²	28 gg = 20 N/mm²
Flexural strength	ASTM D 695		28 gg = 55 N/mm²
Tensile strength	ASTM D 638		28 gg = 30 N/mm²
Adesion to concrete (with primer)			28 gg > 1,5 support failure
Surface hardness (shore D)			28 gg = 80
Abrasion resistance with Taber Abrasimeter (1000 cycles/ 1000 g, CS 17 wheel) expressed like weight loss	DIN 52108		28 gg = 80 mg

INDICATIVE COVERAGE

Primer A+B: 0.30-0.40 Kg/m²

Malta from reconstruction loaded with quartz: ratio 1:9 about 20 kg/m² per centimeter of thickness.

The mixing ratio by weight is: Primer Comp. A : B = 100 : 50 kg

As a malta from reconstruction loaded with quartz: Comp. A : B : = 100 : 50 : 1350 kg

WASHING OF TOOLS

The equipment used for preparing the application of EPOXY FLOOR should be cleaned immediately after use with a suitable solvent. After the product has hardened, removal may only be carried out mechanically.

STORAGE

Shelf life of 12 months, if stored in original packaging, in a cool and damp place. Store at temperatures between +5°C and +35°C. The product is sensitive to frost.

LIMITS OF RESPONSIBILITY

We decline all responsibility for work and damage which might result from improper or incorrect use of the product. The indications supplied with our product specifications and instructions for use are the results of accurate laboratory tests and experience in the field. However, as it is not possible to forward other evidence, when the products are used, these indications shall not be binding and do not imply liability on our part. As well as following good working practices, before applying the product we recommend you read the safety recommendations and the directions on the package.

For the best professional results, it is advised to test a small area first, for compatibility with the surface to treat and the desired effect. This preliminary testing is also useful to determine the consumption according to the characteristics of the material the product will be used for and to the type of processing.

The reproduction, even partial of this product sheet is forbidden. The data refer to the standards in force at the time of printing, 2013. The company reserves the right to make any changes without notice.

PRODUCT FOR PROFESSIONAL USE

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