

BARRIERA CEM

cod. BARRIERA-CEM20

Epoxy-cement, three component, barrier coating

DESCRIPTION

BARRIERA-CEM is an epoxy-cement thin-coat mortar. It is used in the preparation of backgrounds for decorative coatings, (Microtopping®, Architop®, Ideal Skin, Rasico®, Lixio® and Lixio®+), on cement-based surfaces and ceramic tiles, even in the presence of rising damp.

FIELDS OF USE

- Overcoating with Epoxy-coat creates a chemical vapour-barrier which allows the application of toppings, even in the presence of rising damp.
- As a primer for Microtopping on sinks and other surfaces subject to water pooling.
- As a primer for shower trays and walls, provides good adhesion for the topping.

N.B. Barriera-Cem contributes to waterproofing but cannot replace it.

FEATURES

- Good adhesion, even in the presence of rising damp.
- Very good workability. Can be applied on both vertical and horizontal surfaces. May contribute to the levelling of the background (1-2 mm).
- Resistant to vapor-counterthrust.
- Suitable for both internal and external application.
- Can be overcoated with Microtopping and with polyurethane and epoxy-coatings with low, medium or high thickness.
- Excellent adhesion on all surfaces: concrete, natural stone, brick, ceramics, cement blocks, marble and previously levelled surfaces.

TECHNICAL INFORMATION

Density at 20°C (DIN 5321/2)	1.5 ± 0.1 Kg/dm
Flash point	> 125° C
Fire-resistance	self-extinguishing
Vapour transmission rate (ASTM E 96-66)	25g/m ² /24 hrs
Application temperature	from +5°C to +30°C
Pot-of-life at 20°C	30 minutes
Dry to the touch	5 to 7 hrs
Light traffic after	2 days
Full cure	7 days
Overcoating time	from 24 to 48 hrs

APPLICATION

PREPARATION OF THE SUBSTRATE

The substrate must be sound, dry, clean, free of dust, grease, cement grout contaminants and impurities. It must previously be sanded or ground.

Existing hollows or unevenness must be previously levelled.

APPLICATION

BARRIERA-CEM is a tri-component product supplied in pre-dosed packets. Add component B to component A. Mix carefully to avoid entrapment of air bubbles and, when the resulting mixture is homogeneous, slowly mix-in the selected aggregates (component C).

Apply evenly, troweling at zero usually in one coat.

CONSUMPTION

Consumption may vary depending on the type and condition of the substrate.

To create a chemical vapour barrier apply one coat of Epoxy-Coat over the Barriera-Cem

COATING WITHOUT MESH

Indicative consumption 1,20 Kg/m²

COATING WITH MESH

1° coat: 1,20 Kg/m²

2° coat: 1,00 Kg/m²

TOTAL: 2,20 Kg/m²

PACKAGING / STORAGE / DISPOSAL

Components (A 4,7 Kg + B 4,7 Kg + C 10,6 Kg) = 20 Kg

The product can be kept for at least one year in the original sealed container at a temperature between +10°C and +30°

PRECAUTIONS

- Epoxy-based products may yellow under the influence of UV rays
- Do not apply when the temperature of the substrate is under 10° or over 30°.
- Epoxy resins can cause irritation; avoid contact with skin and eyes. In case of contact, wash with soap and water.
- Clean tools with soap and water immediately after use.
- See the SDS

IMPORTANT

The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is not used in accord with its instructions. The manufacturer disclaims any responsibility for the achievement of the services declared for the system and for the success of the work if it is performed even partially in contrast with these guidelines or with products not covered by them.

The manufacturer also declines any responsibility for the aesthetic aspect of the flooring which depends on the installation methods, working times and climatic conditions of the site. The applicator must take these into account when scheduling and applying the materials supplied by the manufacturer.

The applicator notes that Ideal Work is in no way responsible for the suitability of the solution chosen in relation to:

A) Substrate suitability, climatic conditions or any other external parameter which may affect the performance of the Ideal Work products being used.

B) The stresses to which Ideal Work products may be put under operation.

It also notes that the indications provided by Ideal Work in its technical documentation are to be considered a necessary condition but do not in any way relieve the contractor of the responsibilities and technical evaluations of the applicator. The data can be changed at any time. Also note that the products are intended for professional use only.