

## BARRIER-CEM

### Epoxy-cement, three components, barrier coating

#### DESCRIPTION

BARRIER-CEM is an epoxy-cement smooth finishing compound for thin coating, an ideal preparation for even humid surfaces prior to treating with other kinds of coatings. BARRIER-CEM is ideal to be applied on tiles and marble as a support for Ideal Work Microtopping.

#### CHARACTERISTICS

- Good adhesion on damp surfaces.
- Water resistant counterthrust also under pressure.
- Applicable both inside and outside.
- Fast application.
- Over-paintable with Microtopping, any kind of epoxy, polyurethane, and epoxy-polyurethane coatings with low, medium and high thickness.
- Excellent adhesion on all surfaces: concrete, natural stone, brick, ceramics, cement blocks, marble.

#### USES

- Suitable for the construction of a chemical vapour barrier on damp and intended to receive subsequent coatings resin.
- Ideal as a support for decorative floors, Micro-topping and decorative epoxy.
- Primer for the anchor coatings' self-levelling cement.
- Barrier coating for walls, floors and concrete tanks for containment of industrial water.

#### APPLICATION

##### Surfaces preparation

The substrate must be sound, clean, free of dust, grease, cement grout contaminants and impurities.

The surface is treated differently depending on the condition of existing substrate by the following methods: sanding, milling, blasting, grinding or choosing materials considering different kind of application and possibilities. Before applying, ventilate all wet areas and remove any standing water throughout.

##### Preparation of material

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

## TECHNICAL INFORMATION

Specific gravity at 20°C (DIN 5321/2)	1.5 ± 0.1 kg/dm
Flash point	> 125° C
Fire resistance	self-extinguishing
Water vapour trasmission rate (ASTM E 96-66)	25g/m <sup>2</sup> /24 hrs
Application temperature	from + 5° to + 35°C
Time-of-life at 20°C on standard package	30 minutes
Curing tack to the touch	5 to 7 hrs
Light traffic	2 days
Full cure	7 days
Overcoating time	from 24 hrs to 48 hrs

## CONSUMPTION

Indicative consumption for single application: 800 - 1000 g/m<sup>2</sup>.

Consumption may vary depending on the type and condition of the existing surface. To obtain a chemical vapour barrier it will be necessary to apply 2 coats of products.

## PACKAGING AND STORAGE

BARRIER-CEM is supplied in packs of 20 kg (A + B + C).

Store between + 5°C to +30°C.

In the original containers, tightly closed, the product will keep for at least 18 months.

## PRECAUTIONS

- BARRIER-CEM is solvent free and physiologically harmless. It is advisable to use normal rubber gloves.
- The working tools should be cleaned with water immediately after their use.
- Do not apply BARRIER-CEM media with stagnant water.
- Do not apply BARRIER-CEM at temperatures below + 8°C or higher than + 30°C . The product is sensitive to cold.

### IMPORTANT:

All information contained herein is based on the best practical and laboratory. It is for the customer to determine that the product is suitable for the application they want. The manufacturer assumes no responsibility for the results of incorrect applications. You should always test on a small area before application. This card replaces the previous. The data can be changed at any time. Also note that the products are intended for professional use; Ideal Work provides training and that of their regular customers who request it. Anyone using these products without being enabled does so at their own risk.

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