



BARBOTEC

RB



Bonding bridge.

GENERAL FEATURES

- Ready-to-use mix consisting of cement and ultra-fine aggregates in very accurate combinations and proportions.
- Non-saponifiable.
- Guarantees a very strong bond to solid mineral backgrounds and more specifically to concrete.
- When it is simply mixed with the required volume of water, Barbotec RB is fluid and very easy to apply by hand or mechanically.
- **BARBOTEC RB** forms a permanent regain layer that strongly bonds the new concrete to the old one.

APPLICATION FIELDS

In the field of industrial floors, allows new flag-stones on old ones by adhesion.

Generally, Barbotec RB guarantees the regain of new concrete or of repaired parts through the fresh-on-fresh technique.

PHYSICAL & TECHNICAL DATA

- **Appearance** : grey-white powder.
- **Grading** : 0-0,3 mm.
- **Skin formation** : 30 to 60' at 20°C applied in a thin layer of 1,5 kg/m² on moistened concrete.
- **Specific gravity** : approximately kg/l (mixed).
- **Tensile strength** : between 2 and 3 N/mm² on concrete with a resistance superior to 40 N/mm².
- **Flexural strength** : on rectangular foundation test prisms elements of 4x4x18 cm³ : 13 N/mm².

SURFACE PREPARATION

The surface must be very clean. Remove systematically all dust, grease or oil stains and free cement laitance. The surface must be water soaked already 24 hours before the start of the work.

On the day of application, free water (flakes) must be spread and brushed in direction of areas that seem more dry. Concrete must stay moistened as long as the work lasts ; in case of warm weather, it will probably have to be re-moistened several times a day.



MIXING WATER

6 to 7 litres of clean water/sack of 20 kg (i.e. 30-35% of the powder).

PROCESSING

Use an electrical mixer to mix the powder with the prescribed volume of water.

Apply the **BARBOTEC RB** slip before the application of concrete but be sure that the treated surface is not too large. Application should be carried out in sections.

It is imperative that the slip is still adhesive when you apply the fresh concrete.

If the slip layer has dried up during the work, just apply a new layer of Barbotec RB and proceed.

Only projection will give the required efficiency in case of large surfaces.

Material :

A planetary mixer with a pump in order to transport the product on large distances.

An air compressor, piping and an adduction tube to the hose in order to project the slip on the surface rapidly and regularly.

If **BARBOTEC RB** is applied mechanically, be sure that the mix is homogeneous and thoroughly spread so that daubs will not block the opening of the projection hose.

You can also apply the product manually with a hard brush ; in that case, the consumption can however be slightly higher.

CONSUMPTION

- 1 to 1,5 kg/m² on concrete
- 2 kg/m² on mortar topping

SURFACE & APPLICATION TEMPERATURE

- Minimum : + 5°C
- Maximum : + 35°C

MATERIAL CLEANING

Protect the material with a high-performance oil for easy cleaning with (pressure) water.

CONDITIONING & STORAGE

Multi-layer sacks of 20 kg on pallets of 54x20 kg

Buckets of 5 kg

Storage : 6 months in tightly closed sacks stored in dry spaces.

HEALTH PROTECTION MEASURES

BARBOTEC RB contains cement. Due to the product's alkalinity, eyes and hands must be protected against irritations that can occur in case of regular contact.

Wash your hands with clear water and hydrate your skin with protection creams in case of sensibility..

Although this technical form is based on years of experiences and research we can take no responsibility for the obtained results because we can not evaluate the conditions where in you will apply the product and his components. So we strongly advice you to perform premature tests to evaluate the efficiency of the product for your application. UPGRADE 09/2009



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