

MONNELI BETOCURE R

High Efficiency Resin Based Curing & Sealing Compound

Product Description

A non-degrading resin curing compound. The single component clear liquid is ready to apply, non-yellowing, formulated from special acrylic polymers and quick evaporating solvents that effectively cure and seal for optimum moisture retention. This produces hard, dense, high-compressive strength concrete.

It produces a hard wearing surface with excellent adhesion properties. Thus also making it suitable as a primer for subsequent finishes which do not rely on penetration for substrate bond.

Uses

BETOCURE R provides high curing efficiency. It can be used in wide range of applications such as:

- Factory floors and warehouses
- High rise buildings
- Floor slabs and columns
- Multilevel parking decks
- Driveways and parking areas
- Industrial flooring
- Ports
- Airport hangars
- Self-curing primer systems and subsequent coverings

Advantages

- Provides a totally clear membrane for new or existing concrete that will not yellow
- Provides a tough, durable, uniform, moisture impermeable, long-lasting film on exterior concrete surfaces

- Minimizes cracking, dusting, spilling and other defects common to improperly cured concrete
- Provides improved resistance to chemicals, oil, grease and abrasion during construction
- Acts as a surface hardener
- Labor saving. Acts as primer system for subsequent finishes
- Versatile. Can be applied equally well to freshly placed or existing concrete

Instructions for Use

Pre-Application

BETOCURE R should be stirred before application. Product is ready for use directly from the drum and should not be diluted with water.

Application to freshly placed concrete should be free of water. In case of horizontal surfaces, the product should be applied as soon as the bleed water has evaporated from the surface.

With formed concrete, BETOCURE R should be applied immediately upon removal of the formwork and while the concrete surface is still damp. Any traces of laitance, grease or loose materials should be removed.

Application

BETOCURE R should be applied uniformly by brush, roller or spray to the surface of fresh concrete at a rate of 5m²/liter. In certain cases, especially during high temperature or windy seasons, rate of application might be increased.

Application should be back and forth to ensure complete coverage. The coating cures to form a clear film which provides a moisture barrier to enable effective curing.

Motorized or knapsack spray equipment which produces a fine spray is recommended for use of BETOCURE R.

Do not spray water or any other material after applying BETOCURE R. Allow the surface to cure without any disturbance until a seamless strong film is formed. No compaction or vibrating acts are allowed close to the cured area as this will break the freshly sprayed film.

BETOCURE R should be applied to newly hardened concrete immediately after demolding. However, it can be applied as self-curing, primer system to existing concrete.

Subsequent Finishes

BETOCURE R is compatible to a variety of finishes including:

- Various polymer modified repair mortars
- Epoxy resin coatings which do not rely on penetration for substrate bond
- Water based emulsion paints
- Paints based on PVA, acrylic co-polymers

It is recommended that an onsite bond test is carried out to determine absolute suitability.

Cleaning

Equipment and tools used should be cleaned promptly with SOLVENTE 10.

Recommendations

- BETOCURE R should only be applied in well ventilated areas.
- BETOCURE R should not be applied during rainy days
- Do not dilute or mix BETOCURE R with other products.
- BETOCURE R should not be applied during high temperature conditions in direct sunlight. These conditions cause rapid evaporation, which does not allow the film to form properly.
- Concrete containing calcium chloride will look dark when treated with BETOCURE R.

Technical Data

Properties	Results
Appearance	Clear liquid
Density at 25°C	0.75 – 0.8 kg/L
Dryingtime at 25°C	2 hours
Curing efficiency	90%
Flash point	34°C

All values are subject to 5-10 % tolerance

Applicable Standards

- ASTM C 309, Type I, Class B
- BS 7542
- BS 8110, Part 1

Consumption

5-6 m²/liter, depending on concrete surface condition.

Packaging

BETOCURE R is packed in 20 liters and 210 liters drums.

Health & Safety

Direct contact with the product may result in irritation of the skin and eyes. Product vapors may also cause irritation. Wear gloves and masks, wash thoroughly after handling remove any contaminated clothing and wash skin with soap and water.

Remove ignition sources prior to use. Accidental eye contact, wash with plenty amount of water and seek immediate medical help.

Refer to Material Safety Data Sheet for complete health and safety information.

The information in this Technical Data Sheet is based on Colmef Monnelli's experience. Colmef Monnelli does not accept any liability arising from the use of its products as it has no direct or continuous control over where or how its products are applied. All Colmef Monnelli's Data Sheets are updated on regular basis. It is the user's responsibility to obtain the latest version.

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