

MonniCure R

High Efficiency Resin Based Curing & Sealing Compound

Product Description

MonniCure R is 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

MonniCure 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,
- ▶ Improves the durability of concrete surface
- ▶ Water based. Eco-friendly
- ▶ Cost effective
- ▶ Ready to use
- ▶ Versatile white-pigmented for simple, visual application

Usage Instructions

Pre-application

MonniCure 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

MonniCure 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 MonniCure R.

Do not spray water or any other material after applying MonniCure 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.

MonniCure 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

MonniCure 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

Technical Data

| Category | Typical Values |
|-------------------|----------------------|
| Appearance | Clear liquid |
| Density | 0.75-0.8 Kg/L @ 25°C |
| Drying Time | 2 hours @ 25°C |
| Curing efficiency | 90% |
| Flash Point | 34°C |

All values are subject to 5-10% tolerance

Standards Compliance

- ▶ ASTM C 309, Type I, Classes B
- ▶ BS7542
- ▶ BS 8110, Part 1

Legal disclaimer

Monneli endeavors to ensure that any advice, recommendations, information it may give, is accurate and correct. It cannot accept any liability either directly or indirectly arising from the use of its products, because it has no direct or continuous control over where or how its products are applied, whether or not in accordance with any advice, specification, recommendation or information given by us. Monneli has the right to change any of the specifications mentioned in the Technical data sheets upon its discretion without prior notification. Hard copies of TDSs are printed once or twice a year, while our technical data sheets are continuously being updated as per R&D improvements and new 3rd party testing; kindly refer to our website for the latest updated TDSs.

Packaging

MonniCure R is packed in plastic containers of 20 liters and 210 liters.

Consumption

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

Recommendations

- ▶ Should not be applied onto dry surfaces which may lead to absorption and will be difficult to remove.
- ▶ MonniCure R is not an aesthetic coating. It should be therefore removed from the concrete after 28 days.

Health and Safety

MonniCure R does not fall into hazardous classification of current regulation. However, it should not be swallowed or allowed to come into contact with skin or eyes in either spray or bulk form.