

MONNELI BETOCURE S125

Water Based Concrete Curing Compound

Product Description

A clear liquid based on sodium silicate to cure, harden and seal freshly hardened concrete. It is easy to apply, leaves no residue and dries quickly.

Uses

BETOCURE S125 is an effective and economical curing agent compared to the traditional Hessian, water and polyethylene curing system. Suitable for all types of concrete surfaces such as:

- Interior and exterior floor slabs
- Sidewalks
- Driveways
- Beams and columns
- Warehouse flooring

Advantages

- Ready to use
- Water based. Eco-friendly
- No VOC
- Colorless and odorless
- Lowers moisture vapor emission
- Easy application and quick drying
- Degrading over a period of time
- Improve resistance to abrasion and corrosive action of salt and chemicals
- Economical

In the long run, BETOCURE S125 will provide protection against oil and chemical staining and damage and provide protection from chloride ion penetration. It also increases surface wear resistance and provides surface scaling and freeze-thaw protection.

Instructions for Use

Pre-Application

BETOCURE S125 should be stirred before application. Product is ready for use directly from the drum and should not be diluted with water.

BETOCURE S125 is not a film forming product but should fully saturate the concrete for maximum effect. Perform enough application to fully saturate the concrete without leaving puddle.

Surface 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.

Application

BETOCURE S125 should be applied uniformly by sprayer, brush, roller or soft bristled broom to the surface of fresh concrete. For best results, use spray for application.

Application should be at the rate of approx. 15m²/liter. The coating produces a light duty surface. It is the responsibility of the user to adjust to curing rate to properly regulate the hydration of the concrete. Two applications maybe required.

BETOCURE S125 should be applied to newly hardened concrete immediately after demolding. It should never be applied on concrete which has started to dry out, otherwise the hydration mechanism will be seriously impaired.

Do not allow compaction or vibrating acts close to the sprayed area as this will break the freshly sprayed film.

Overcoating

Over coating can be done without removal of curing compound provided the application is within the specified coverage rate.

Cleaning

Equipment and tools used should be cleaned promptly with water.

Maintenance

After application, no special maintenance is required.

Recommendations

- Use only on green or recently poured clean concrete
- Protect areas not intended for coverage. If contact occurs, remove immediately using water and a cloth or brush
- Do not allow the product to puddle. White residue may form if BETOCURE S125 is over applied.

Technical Data

Properties	Results
Appearance	Clear liquid
Density at 25°C	1.1 kg/L
VOC	negligible
Drying Time at 25°C	30 – 40 minutes
pH at 25°C	10 - 12
Curing efficiency	75%
Bond strength of epoxy system (ASTM C882 - Shear strength)	No failure of epoxy bond to Betocure S125 treated shear surfaces
Pull tests-epoxy	No failure of epoxy bond to Betocure S125 treated flat surfaces

All values are subject to 5-10 % tolerance

Coverage

12-17 m²/liter, depending on concrete surface condition

Packaging

BETOCURE S125 is packed in plastic containers of 20 liters and 210 liters.

Storage

BETOCURE S125 has a minimum shelf life of 12 months, provided the temperature is kept within the range of 5°C to 35°C. Prolonged exposure to direct sunlight should be avoided.

Containers should be kept sealed and airtight to prevent of moisture by evaporation.

Health & Safety

BETOCURE S125 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. Splashes on the skin should be removed with water. In case in contact with eyes, rinse immediately with water and seek medical attention.

If swallowed, seek medical attention immediately.

Wear suitable protective clothing, gloves and goggles

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