

# Emcoril Protect S

## Concrete curing agent.

### PRODUCT PROPERTIES:

- Ready-to-use, Silicate based dispersion.
- Temporary evaporation protection during the reaction time.
- Facilitates optimum hydration progress in the surface layer of the concrete.
- Minimises the occurrence of early shrinkage cracks.
- Decreases the rate of carbonation.
- Chloride free.
- Application by spraying.

### AREAS OF APPLICATION:

- Curing of freshly laid concrete.
- Concrete curing agent for road constructions and for trafficable surfaces.
- Used for concrete structures and retaining walls.
- Car parks.
- For immediate application to the freshly laid concrete and increase its surface strength.

### APPLICATION ADVICE:

- **General:** In practice, liquid curing agents are the only suitable solution for road constructions. The properties of concrete are determined by its formulation, application and hydration process. Premature dehydration due to high temperatures, low humidity and air movement can bring the hydration process to a halt and cause considerable quality degradation.
- **Application methods:**
  - **For vertical surfaces:** After removing the formwork, moisten the entire concrete evenly with clean water. Allow the concrete surface to dry before applying **Emcoril Protect S** by spraying equipment or by brush (spraying is recommended to completely cover the surface). Note that the entire surface must be completely covered.
  - **For horizontal surfaces:** Apply **Emcoril Protect S** by spray equipment immediately after the surface is finished, when all surface water has evaporated. Ensure that no water remains on the surface and apply the correct dosage recommended by the manufacturer for best results. For optimum performance, **Emcoril Protect S** should be applied as soon as possible after the concrete is ready for curing.
  - **For surfaces in direct contact:** If the concrete is exposed to direct sunlight and high temperatures (above 23°C) or in areas with harsh dry winds, the concrete surface should be protected by covering it with plastic sheeting for 2-3 hours immediately after applying **Emcoril Protect S** to allow time for the crystalline film to form.
- **Cleaning:** Make sure the equipments are washed with clean water.
- **Note:** Avoid direct contact with the product during spraying (May cause skin irritation). The product can be completely washed off with water.



BE SURE. BUILD SURE.

#### TECHNICAL DATA:

Characteristics	Unit	Value	Comments
Density	kg / liter	~ 1.12	
pH		11 ± 2	
Application conditions	°C	≥ 5 ≤ 40 ≥ 5 ≤ 30	air and substrate temperatures material temperature (protect from the sun)
Consumption	m <sup>2</sup> / liter	4.0 – 5.0	

#### PRODUCT CHARACTERISTICS:

Equipment cleaning agent	Water
Form	Liquid
Delivery form	5 liters / 25 liters / 200 liters barrel 1000 liters tank
Storage	Can be stored in cool, dry conditions for at least 24 months in unopened original packaging.
Packaging disposal	Make sure single-use containers are completely empty.

#### Safety instructions

Please note the safety information and advice given on the packaging labels and safety data sheets. GISCODE : NBM10

**Note:** The information provided here is based on our experience and correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual building projects, to the specific application and to non-standard local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. Given these preconditions we shall be liable for the accuracy of the information given as outlined in our sales and delivery terms and conditions. Recommendations by our employees that deviate from this information are only binding for us if they have been confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be adhered.

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