



Emcoril Traffic grip M white

Curing agent with high sun ray reflexion
for trafficable surfaces in road constructions

Product Properties

- Ready-to-use, white-pigmented, water-based paraffin dispersion
- Exceptionally high level of evaporation protection with sun ray reflection for summer weather conditions
- Strong barrier effect (SM \geq 85%)
- Facilitates optimum hydration progress in the surface layer of the concrete
- Minimises the occurrence of early shrinkage cracks
- Decreases the rate of carbonation
- Dries rapidly
- Solvent-free
- Film-forming
- Apply by spraying
- Certified to TL NBM-StB 09, Type VM-W

Areas of Application

- Curing of freshly laid concrete according to German code TL NBM-StB 09, Type VM-W
- Concrete curing agent with high sun ray reflexion under summer conditions for road concrete, e.g. road concrete, airport areas, car parking areas
- Concrete curing agent for trafficable surfaces with grip requirements
- For application on matt-damp concrete*

Application Instructions

General

The properties of concrete are determined by its composition, placement and hydration. Premature dehydration due to high temperatures, low humidity and air movement can bring the hydration process to a halt and cause considerable quality degradation.

In practice, liquid curing agents are the only suitable solution to this problem in road construction. This is due to the mechanical production methods applied using a road paver, whereby the paver is equipped with a spraying device for the curing agent.

Application Methods

Any puddles and pools of water must be removed before application. Emcoril Traffic grip M white is sprayed onto the matt-damp, fully compacted and rubbed or smoothed concrete surface to produce an even coating. The quantity applied must be as specified.

To ensure even spray application, the distance between nozzle and concrete surface during spraying should be approx. 0.5 - 1 m.

Emcoril Traffic grip M white forms a protective film on the concrete surface, extensively inhibiting evaporation of the water during the decisive hardening phase. Its strong barrier effect ensures optimum hydration progress in the concrete layer close to the surface. As a result, good strength development is achieved and the occurrence of early shrinkage cracks is minimised.

Emcoril Traffic grip M white additionally offers high sun ray reflection so as to restrict temperature rises in the laid concrete. This property is particularly beneficial in summer conditions as compared to the capabilities of conventional curing agents in this regard.

Further Information

However, Emcoril Traffic grip M white does not provide other forms of thermal protection (e.g. from cooling or extreme temperature changes).



Technical Properties of Emcoril Traffic grip M white

Characteristic	Unit	Value*	Comments
Density	kg/dm ³	approx. 1.01	
Barrier coefficient	%	approx. 85	Acc. to TL NBM-StB 09
Consumption	g/m ²	approx. 200	
Drying time	hours	4.5	Tack-free
Flash point	°C	-	Not suitable
Lightness coefficient	%	approx. 74	W ≥ 60 % acc. to TL NBM-StB 09
Application conditions	°C	≥ + 5 - ≤ + 30	Air, substrate and material temperature

Product Features of Emcoril Traffic grip M white

Self-monitoring	EN ISO 9001
Third-party monitoring	MPA Karlsruhe
Equipment cleaning agent	Water
Colour	White
Form	Liquid
Packaging	20 kg gallons 200 kg drums 1,000 kg containers (on request)
Storage	Keep free from frost! Shelf life 12 months if stored dry in original containers
Disposal	In the interest of the environment, please ensure the containers are empty and residue-free prior to appropriate disposal.

* As soon as the visible film of water has disappeared and the concrete surface appears matt-damp.

** All technical values are laboratory results determined at +20 °C and 50 % relative humidity.

Safety Advice

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

GISCODE: NBM 10; water hazard class: 1

Note: The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

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