

# Emcoril Traffic grip M

Curing compound for evaporation prevention of trafficable pavement/roadway components



## PRODUCT PROPERTIES

- Ready-to-use, water-based paraffin dispersion
- Exceptionally high level of evaporation protection
- 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 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  
(As soon as the visible film of water has disappeared and the concrete surface appears matt-damp.)

## APPLICATION ADVICE

**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 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 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.

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

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	approx. 0.98	
Viscosity	seconds	11	kinematic to DIN 53211
Application conditions	°C	≥ 5 ≤ 40	air and substrate temperatures
		≥ 5 ≤ 25	material temperature (protect from the sun)
Consumption	g/m <sup>2</sup>	approx. 250	
Drying time	hours	4.5	tack-free
Barrier transmission coefficient		approx. 87	TL NBM-StB 09

All technical values are laboratory results determined at 21°C ±2°C and 50% relative humidity.

Self-monitoring	EN ISO 9001
Equipment cleaning agent	water
Colour	milky white
Form	liquid
Delivery form	30 kg canister(s) 200 kg drum 1,000 kg container
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs.
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 contained in this data sheet is based on our experience and is correct to the best of our knowledge. It is, however, not binding. It will need to be adapted to the requirements of the individual structure, to the specific application and to non-standard local conditions. Application-specific conditions must be checked in advance by the planning engineer/specifier and, where different from the standard conditions indicated, will require individual approval. Technical advice provided by MC's specialist consultants does not replace the need for a planning review by the client or its agents in respect of the history of the building or structure. Subject to this prerequisite, we are liable for the correctness of this information within the framework of our terms and conditions of sale and delivery. Recommendations of our employees deviating from the information given in our data sheets are only binding for us if they are confirmed in writing. In all cases, the generally accepted rules and practices reflecting the current state of the art must be observed. The information given in this technical data sheet is valid for the product supplied by the country company listed in the footer. It should be noted that data in other countries may differ. The product data sheets valid for the relevant foreign country must be observed. The latest technical data sheet shall apply to the exclusion of previous, duly superseded versions; the date of issue in the footer must be observed. The latest version is available from us on request or may be downloaded from our website. [2300018515]