

# Emcoril Traffic F

Surface retarder and temporary curing agent for trafficable surfaces in road constructions



## PRODUCT PROPERTIES

- Ready-to-use, water-based paraffin dispersion
- Delays surface setting and enables brush-off the cement paste near surface
- 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
- Strong barrier effect (> 75 %)
- Film-forming
- Solvent-free
- Application by spraying
- Certified to TL NBM-StB 09, Type AH

## AREAS OF APPLICATION

- Curing of freshly laid concrete according to German code TL NBM-StB 09, Type AH
- Concrete curing agent for road constructions and for trafficable surfaces without grip requirements
- Combination product comprising surface retarder and curing agent
- For creating reduced-noise trafficable surfaces and concrete with enhanced grip
- For trafficable surfaces of washed concrete
- For roughening of working joints (remove fully before subsequent concreting!)
- For immediate application to the freshly laid concrete

## APPLICATION ADVICE

**General:** In practice, liquid curing agents are the only suitable solution for road constructions. This is due to the mechanical production methods applied using a road paver, which is equipped from the factory with a spraying device for the curing agent. The properties of concrete are determined by its formulation, application 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.

**Application Methods:** Any puddles and pools of water must be removed before application of Emcoril Traffic F. Emcoril Traffic F is sprayed onto the freshly laid concrete so that concrete production can continue without interruption.

Emcoril Traffic F forms a very dense, coherent film and has a surface retarding effect after application. The rate at which the cement paste at the concrete surface sets and hardens is greatly slowed, while the underlying concrete hardens unhindered. To ensure even spray application, the distance between nozzle and concrete surface during spraying should be approx. 0.5 - 1 m.

The reaction time depends on the required surface structure, the concrete formulation and other job-specific conditions. Preliminary trials have to be determined. The concrete is then brushed to achieve a grip-enhancing, noise-reducing concrete surface.

To create washed concrete surfaces a high-pressure water jet cleaner should be used.

**Further Information:** Once the washed/brushed surface of the concrete has been finished, it must be treated with a final curing agent such as Emcoril Traffic grip M / grip M white.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	g/dm <sup>3</sup>	approx. 0.98	
Viscosity	mPa · s	4	Pouring cup DIN 4 mm
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	
Barrier transmission coefficient	%	approx. 90	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. [2300018488]