Emcoril Traffic F

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

BE SURE. BUILD SURE.

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 bevor subsuquent 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.

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TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	g/dm³	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/m²	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

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