

Emcoril Compact top

Curing compound for evaporation protection following smoothing in industrial flooring



PRODUCT PROPERTIES

- Ready-to-use, water-based polymer dispersion
- Evaporation protection for final curing of the concrete
- Facilitates optimum hydration progress in the surface layer of the concrete
- Minimises the occurrence of early shrinkage cracks
- Decreases the rate of carbonation
- Increases surface tensile strength (improved surface quality)
- Increases water retention in the concrete
- Solvent-free
- Film-forming
- Apply by spraying

AREAS OF APPLICATION

- Evaporation protection for final curing of the concrete in industrial floor construction
- For indoor and outdoor applications**
- For laying industrial floors with a hard-grain topping such as MC-Top B
- For application to walkable and smoothed concrete

APPLICATION ADVICE

General: Emcoril Compact top forms a protective film on the concrete surface, extensively inhibiting evaporation of the water during the decisive final 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 Compact top is ideally suited for the final curing of industrial floors that have been pre-cured with Emcoril Compact pro.

Application Methods: Any puddles and pools of water must be removed before application. Emcoril Compact top is sprayed onto the step-resistant surface immediately after smoothing. The quantity applied must be as specified.

Ideally it should be sprayed onto the surface using MC-Spezialspritze or a standard commercial pressure sprayer. Spraying should be performed with a flat jet nozzle (e. g. MESTO 1423, 90-04E). To ensure even application, the distance between nozzle and concrete surface during spraying should be approx. 0.5 - 1 m.

Curing Time: The minimum concrete curing time depends on the exposure class, surface temperature and strength development. The minimum duration in days can be determined from EN 13670 / DIN 1045-3.

Further Information: Please respect the General Application Advice "MC-Estrifan Substrate and substrate preparation" and "MC Industrial floors", in case the surface may be further overworked for impregnation, sealing and coatings.

Preliminary trials to check suitability will, however, be required, when considering the use of a hardgrain topping.

Industrial floors are subject to significant wear and tear once in use. This can also result in various kinds of soiling and contamination. In order to be able to preserve the visual appearance of concrete floors over time while also enhancing their service life, we recommend any Emcoril Compact top cured surface to be cleaned immediately before first use and subsequently on a half-year basis using e. g. MC-Duroprop.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1	
Viscosity	seconds	13	kinematic to DIN 53211 Pouring cup DIN 4 mm
Application conditions	°C	≥ 5 ≤ 30	air, substrate and material temperatures
Consumption	g/m ²	150 - 200	
Drying time	hours	approx. 4.5	tack-free
PH value		8	

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

Self-monitoring	EN ISO 9001
Equipment cleaning agent	Clean with water immediately after use
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. [2300018511]