

Emcoril Compact pro

Intermediate concrete curing agent for industrial floor constructions



PRODUCT PROPERTIES

- Ready-to-use, water-based polymer dispersion
- Temporary lay-time evaporation protection for concrete
- Improves concrete smoothability
- Facilitates optimum hydration progress in the concrete layer close to the surface
- Reduces cracking in exposed surfaces resulting from early age shrinkage acc. to EN 13670 / DIN 1045-3
- Increases surface tensile strength (improved surface quality)
- Increases water retention in the concrete
- Solvent-free
- Apply by spraying

AREAS OF APPLICATION

- Temporary evaporation protection for intermediate curing of industrial flooring concrete during the post-lay waiting period
- Smoothing aid for industrial flooring concrete
- For constructing industrial floors with a hard-grain topping such as MC-Top B
- For application on fresh to matt-damp concrete

APPLICATION ADVICE

General: In compliance with EN 13670 and DIN 1045-3, the surface of industrial floor concrete must be treated immediately after completion of compaction and smoothing. However, the concrete surface of an industrial floor is usually protected by the bleeding water available, which in the same time evaporates dependent on site conditions. Emcoril Compact pro is to be used only in case that the surface may dry out.* Emcoril Compact pro reduces evaporation from the surface during the post-lay waiting time while simultaneously improving the smoothness of the concrete. The result is an increase in surface quality and an improvement in the appearance of the concrete.

Application Methods: Emcoril Compact pro is applied to the freshly surface once the concrete has been laid and compacted. The quantity applied must be as specified. Ideally it should be sprayed onto the surface, using MC-Spezialspritze or standard commercial pressure sprayers. 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.

Emcoril Compact pro should only be used to protect against evaporation during the post-lay waiting period till smoothing with a helicopter finishing trowel. As the concrete is walkable and smoothable, Emcoril Compact pro is worked into the surface with the helicopter finishing trowel. After finishing of smoothing works Emcoril Compact top is used as a final curing to further reduce evaporation 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: Subject to adherence to the application instructions and the specifications of work process instructions AVH "MC-Estrifan substrate and substrate Preparation" or AVH "MC industrial floors", the surface may be further overworked for impregnation, sealing and coating.

Preliminary trials to check suitability will, however, be required to ensure the suitability of such processes, as they will when considering the use of a hard-grain topping.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm ³	approx. 1.01	
Application conditions	°C	≥ 5 ≤ 30	air, substrate and material temperatures
Consumption	g/m ²	150 - 200	
pH value		7	

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 shade	white
form	liquid
delivery form	30 kg canister(s) 200 kg drum 1,000 kg containers (on request)
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. Ensure compliance with our information leaflet "Return of Emptied Transportation and Sale Packaging". We will be glad to send you this on request.

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. [2100004578]