

# MC-RIM PROTECT-C

High-performance curing agent



## PRODUCT PROPERTIES

- Ready-for-use, water-based wax dispersion
- Film-forming, transparent when dried
- Barrier coefficient > 90 %
- Application by brush, roller or spraying
- Affects a good strength development
- Alternative to standard curing methods
- Effective curing agent

## AREAS OF APPLICATION

- Curing of MC-RIM PROTECT, MC-RIM PROTECT-MR, MC-RIM PROTECT ST and MC-RIM PROTECT-H
- Curing of cement-bound building materials
- Must not be used in potable water reservoirs

## APPLICATION ADVICE

**General Information:** Though MC-RIM PROTECT-C was especially developed for curing of MC-RIM PROTECT, MC-RIM PROTECT-MR and MC-RIM PROTECT-H, but it may also be used for curing of any other cement-bound building materials, e.g. concrete, mortar and PCC. As the technical characteristics of cement-bound building materials are positively affected by early and effective curing, the curing process is to be carried out without delay. MC-RIM PROTECT-C should therefore be applied immediately after surface preparation to the surfaces of the respective products that are already in the process of solidification. At an ambient temperature of e.g. 20 °C, the application should be carried out after 60 minutes at the earliest. The time must be adjusted depending on the weather conditions.

**Application:** Prior to application MC-RIM PROTECT-C must be stirred thoroughly. MC-RIM PROTECT-C can be applied by brush, roller or spraying. Spray application must be carried out using high-pressure sprayers (crop sprayers). For constant application the distance between nozzle and surface should be approx. 0.5 - 1 m. Thorough vaporisation of the curing agent must be ensured. The air-, material- and component temperature must be at least + 5 °C. The curing film will weather, depending on the environmental and weather conditions. There is no weathering at interior areas. Curing films based on a wax-dispersion have a separative effect on subsequently applied paints or coatings. Before any paint or coating systems are applied, all residues of the MC-RIM PROTECT-C film must be removed by quartz-free grit blasting.

**Additional Information:** MC-RIM PROTECT-C does not protect fresh mortar surfaces against heating if surfaces are exposed to intensive and long-term sunlight. Shading of these surfaces should always be respected. The film formation of MC-RIM PROTECT-C is caused by physical drying. In case the applied coverage rates vary there might be a craquelling plattern on the surface caused by differential drying.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	approx. 1	
Consumption	g/m <sup>2</sup>	150 - 200	
Application conditions	°C	≥ 5	
Drying time	hours	approx. 3	

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

Colour	white		
Form	liquid		
Delivery form	30 kg canister(s)		
Storage	Can be stored in cool and dry conditions for at least 12 months in original unopened packs. Protect from frost.		
Packaging disposal	Make sure single-use containers are completely empty.		

**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. [2300018098]