



# MC-RIM<sup>®</sup> 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<sup>®</sup> PROTECT, MC-RIM<sup>®</sup> PROTECT-MR and MC-RIM<sup>®</sup> PROTECT-H
- Curing of cement-bound building materials
- Must not be used in potable water reservoirs

### Application

#### General Information

Though MC-RIM<sup>®</sup> PROTECT-C was especially developed for curing of MC-RIM<sup>®</sup> PROTECT, MC-RIM<sup>®</sup> PROTECT-MR and MC-RIM<sup>®</sup> 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. Therefore MC-RIM<sup>®</sup> PROTECT-C must be applied immediately after surface finishing.

#### Application

Prior to application MC-RIM<sup>®</sup> PROTECT-C must be stirred thoroughly. MC-RIM<sup>®</sup> 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<sup>®</sup> PROTECT-C film must be removed by quartz-free grit blasting.

#### Additional Information

MC-RIM<sup>®</sup> 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<sup>®</sup> PROTECT-C is caused by physical drying. In case the applied coverage rates vary there might be a craquelling pattern on the surface caused by differential drying.



①



### Technical Data for MC-RIM® PROTECT-C

Characteristic	Unit	Value*	Comment
Density	kg/dm <sup>3</sup>	approx. 1.0	-
Coverage	g/m <sup>2</sup>	150 - 200	
Curing time	hours	approx. 3	
Application conditions	°C	≥ 5	

### Product Characteristics for MC-RIM® PROTECT-

Colour	white / transparent
Delivery	30 kg canister
Storage	Can be stored in original unopened packs (< 30 °C) for at least one year. Protect from frost!
Disposal	Packs must be emptied completely

\* All technical data relate to + 23 °C and 50 % relative humidity.

**Note:** The information on this data sheet is based on our experiences and correct to the best of our knowledge. It is, however, not binding. It has to be adjusted to the individual structure, application purpose and especially to local conditions. Our data refers to the accepted engineering rules, which have to be observed during application. This provided we are liable for the correctness of this data within the scope of our terms and conditions of sale-delivery-and-service. Recommendations of our employees which differ from the data contained in our information sheets are only binding if given in written form. The accepted engineering rules must be observed at all times.

Edition 08/16. Some technical changes have been made to this print medium. Older editions are invalid and may not be used anymore. If a technically revised new edition is issued, this edition becomes invalid.

②