

MC-Estrifan Color Protect Pro

Two-component pigmented polyurethane floor sealant



PRODUCT PROPERTIES

- Two-component
- Water-based
- Good resistance to soiling, staining and chemical attack
- Good tyre resistance
- Frost deicing salt resistant according to DIN EN 13687-1
- High surface hardness
- Good adhesion on mineral substrates
- Excellent application properties
- Roll-on or brush-on
- Certified to EN 1504-2, Part 1.3 Protection Against Ingress, and Part 5.1 Physical Resistance
- Complies with German AgBB requirements (health safety of building products)

AREAS OF APPLICATION

- For sealing mineral substrates
- For the surface refinement of epoxy- and polyurethane-based floor coating systems
- For the sealing and refinement of industrial floors exposed to average levels of chemical attack and mechanical stress

APPLICATION ADVICE

Substrate Preparation

The substrate must be clean, dry and resilient, and free from oil, grease and other non-adhesive substances.

See instruction leaflet "General Application Instructions for MC-Estrifan Substrates and Substrate Preparation".

Primer

The prepared substrate can be primed with MC-Estrifan Color Protect diluted 1 : 1 with water. In the case of heavily absorbent substrates, it is advisable to repeat this step or to precede it with the more penetrative primer MC-Estribond T15.

In areas subject to heavy wear and tear, application of primer MC-DUR 1177 WV-A is recommended.

Mixing

The base and hardener components must be adequately mixed with a suitable mixer/agitator. Once mixed, the material should be decanted into a suitable container and restirred.

Application Methods

Using a roller in a crosswise action, spread MC-Estrifan Color Protect Pro evenly over the substrate, ensuring there are no ridges or stripe effects. Avoid puddle formation. Make sure even large areas are coated without interruption so as to avoid ridges.

Depending on the condition of the substrate, two coats may be necessary to ensure optimum, uniform colouring. The waiting time between the two coatings should be at least 10 minutes and not more than 24 hours.

Further Information

Consumption rates, accessibility and attainment of resilience will depend on substrate conditions and ambient temperature. Chemical attack may lead to colour changes but will usually have no adverse effect on application suitability. Surfaces subject to chemical attack and mechanical loading are prone to usage-related wear and tear. Regular inspection and maintenance are therefore recommended.

TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	mass fractions	10 : 2	
Density	g/cm ³	approx. 1.23	
Working time	minutes	approx. 20	
Accessible after	hours	24	at 20°C and 50 % rel. humidity
Resilient after (full)	days	7	at 20°C and 50 % rel. humidity
Application conditions	°C	≥ 10 ≤ 30	air and substrate temperatures
	%	≤ 85	rel. humidity
	K	> 3	above dew point
Consumption	g/m ²	approx. 150	per layer/coating

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

Binder base	Base component: Functional acrylate dispersion, Hardener: polymeric isocyanate		
Self-monitoring	EN ISO 9001		
Form	liquid		
Equipment cleaning agent	water		
Colour shade	MC-grey, other colours on request		
Delivery form	10 kg packs		
Storage	Can be stored in cool (below 20°C) and dry conditions for 12 months in original unopened packs. Protect from frost.		
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 : PU40

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. [2300012200]