

# Emcoril Compact blu

Concrete smoothing aid



## PRODUCT PROPERTIES

- Ready-to-use, water-based synthetic resin dispersion
- Improves concrete smoothability
- Protects against evaporation
- Facilitates optimum hydration progress in the surface layer of the concrete
- Minimises the occurrence of early shrinkage cracks
- Decreases the rate of carbonation
- Increases the resistance of the concrete to chemical attack
- Overcoatable with standard single-component coatings
- Alkali-resistant
- Solvent-free
- Film-forming
- Does not weather
- Apply by spraying

## AREAS OF APPLICATION

- Smoothing aid for concrete in precast production and on site
- Smoothing aid for the manufacture of smooth-surfaced concrete products
- Smoothing aid for screeds
- For application on fresh to matt-damp concrete

## APPLICATION ADVICE

**General:** Emcoril Compact blu is a water-based synthetic resin dispersion which is sprayed onto the concrete surface and subsequently worked in. Emcoril Compact blu makes the smoothing process considerably easier, enabling a finer finish to the concrete while also improving its impermeability and durability. It also improves resistance to chemical attack.

Emcoril Compact blu forms a protective film on the green concrete surface, extensively inhibiting evaporation of the water during the hardening time. This 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.

Surfaces treated with Emcoril Compact blu can be coated with single or two-component polymer dispersion coatings (e. g. MC-Color). Reactive resin systems such as epoxy or polyurethane resins are, however, have to be pre-tested of suitability.

Conversely, even common paint systems and plasters can be applied without removing Emcoril Compact blu. In the case of plastering, however, a bonding agent made of the polymer dispersion additive Murafan 39 and the plaster, must be used in spray shot.

**Application Methods:** Emcoril Compact blu is sprayed onto the fresh to matt-damp concrete surface. For spray application, MC-Spezialspritze or standard commercial pressure sprayers are suitable for spraying. The distance between nozzle and concrete surface during spraying should be approx. 0.5 - 1 m. About 15 to 60 minutes after spraying the concrete can be rubbed or smoothed.

**Further Information:** To ensure uniform application, the product remains slightly blue for a short period of time. Once the treatment has been completed, there is no discoloration whatsoever of the concrete surface.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Density	kg/dm <sup>3</sup>	approx. 0.99	
Application conditions	°C	≥ 5 ≤ 30	air, substrate and material temperatures
Consumption	g/m <sup>2</sup>	150 - 200	

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	bluish		
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 6 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. [2200010809]