

## PRODUCT PROPERTIES

- Water-dispersed, two-component epoxy resin
- Contains zinc phosphate as active corrosion protection pigments
- Good resistance against diluted acids, leaches and salt solutions
- General building approval of MC-DUR CFK-Lamellen

## AREAS OF APPLICATION

- Corrosion protection primer according to DIN EN ISO 12944 for steel
- Tested corrosion protection primer for steel mounting plates and shear binders for structural reinforcement with the MC-CFK system
- REACh-assessed exposure scenarios: periodical inhalation, application

## APPLICATION ADVICE

**Substrate Preparation:** Steel surfaces must be prepared to Sa 2 1/2 in accordance with DIN EN ISO 12944-4. The surface must be dry and free from any rust film or other contaminants. Quartz-free grit blasting is suitable for preparation and cleaning.

**Mixing:** Colusal VL consists of two components, base and hardener, supplied in pre-packed quantities. Prior to application base and hardener component are to be mixed until homogeneous using slowly rotating mixers. Complete draining of the hardener into the base component must be ensured. The single components of the 2 kg packaging units are to be filled into a clean container and mixed until homogeneous.

For quality assurance reasons we recommend re-potting into a clean container from which material is applied later on.

**Application:** Colusal VL is applied in two work steps onto the prepared steel surfaces using a brush or roller. For larger surfaces Colusal VL may also be applied by spraying. Fresh primer on equipment and tools can be removed with water.

**General Information:** Please take notice of the safety information and advice given on the packaging labels and safety information leaflets. High temperatures shorten while low temperatures extend all indicated times. As a general rule of thumb a temperature change of 10 °C either halves or doubles the indicated values.

## TECHNICAL VALUES & PRODUCT CHARACTERISTICS

Characteristic	Unit	Value	Comments
Mixing ratio	p.b.w.	3 : 2	base component : hardener component
Density (mixture)	kg/dm <sup>3</sup>	1.32	
Viscosity	mPa s	approx. 5,200	
Working time	minutes	50	at 10° C
		40	at 20 °C
		30	at 30 °C
Overworkable after <sup>1)</sup>	hours	24 - 48	
Application conditions	°C	≥ 8 ≤ 30	Temperatura del aire, soporte y material
	%	≤ 85	rel. humidity
	K	3	above dew point
Consumption	g/m <sup>2</sup>	approx. 200	
Layer thickness	µm	approx. 85	at 200 g/m <sup>2</sup>
Solids volume	%	approx. 57	
Solids content (by weight)	%	approx. 67	
Tensile strength (steel/steel)	N/mm <sup>2</sup>		after 24 hours
		≥ 14	Punch 20 mm Ø

1) Complete drying and hardening is required for a good adhesion of the subsequent layers.

Equipment cleaning agent	Water; if required, MC-Reinigungsmittel U cleaning agent
Colour	grey
Delivery form	3 x 2 kg in box (special sizes on request)
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.
EU Regulation 2004/42 (Decopaint Directive)	Directive 2004/42/CE All/j (140/140 g/l) max. 40 g/l VOC

GISCODE : RE30

**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. [2400020828]