

PRODUCT DATA SHEET

SikaCor®-100 EM

MULTIPURPOSE HIGH-BUILD TYPE EPOXY COATING

DESCRIPTION

SikaCor®-100EM is a two-component, high build polyamide adduct cured epoxy paint.
As an primer or intermediate coat for steel or concrete surface in heavy duty paint systems.

USES

SikaCor®-100 EM may only be used by experienced professionals.

- As a primer or intermediate coat in heavy duty paint system
- General purpose epoxy build coat in protective coating systems
- Can be specified where extended recoating properties for polyurethane topcoats are requested

CHARACTERISTICS / ADVANTAGES

- Fast drying/curing under cold climate
- Extended over-coating intervals
- Excellent adhesive property with alkyd / polyurethane topcoat
- Good abrasion and impact resistance
- Good flexibility

PRODUCT INFORMATION

Packaging	SikaCor®-100 EM PT-A 12 L SikaCor®-100 EM PT-B 3L
Appearance / Colour	Grey, Off-white (Other colours by orders)
Shelf life	12 months
Storage conditions	The product must stored properly in original, unopened and damaged sealed packing in dry conditions at temperatures between +10°C -25°C. Higher storage temperatures may reduce shelf life of product. Reference shall also be made to the storage recommendations within the safety data sheet
Density	Approx. 1.3 (kg/L)
Solid content by volume	63% ± 2

SYSTEMS

Systems	1st coat: SikaCor®-100 EP	75-125 microns
	2nd coat: SikaCor®-100 EM	75-120 microns
	3rd coat: SikaCor®-100 ET	50-75 microns

APPLICATION INFORMATION

Mixing Ratio	Components A : B = 4 : 1 (by vol)
Thinner	SikaCor® Thinner No.8, thinning less than 10% by volume
Consumption	6.3 m ² /L (DFT 100 microns)
Layer Thickness	Recommended 75-150 microns
Substrate Temperature	During application and curing a substrate temperature should be kept above the dew point to avoid condensation. Relative humidity should be kept under 85%
Pot Life	Approx. 4 hours (at 20°C)
Waiting Time / Overcoating	Min. 4 hours (at 20°C) for itself or epoxy paints Max. 3 months (Non-immersion condition)
Drying time	Approx. 60 minutes (dry to touch, 20°C)

APPLICATION INSTRUCTIONS

EQUIPMENT

AIRLESS SPRAY

- Nozzle orifice : 0.019-0.025 inch
- Nozzle pressure : approx. 2100 psi

AIRSPRAY

- Nozzle orifice : 1.8-2.0 mm
- Nozzle pressure : 40-60 psi

BRUSH/ROLLER

- For stripe coating and spot repair only

SUBSTRATE PREPARATION

- Steel: blast cleaned to ISO-Sa2.5, blasting profile 40-70 microns (or SSPC-SP10)
- Shp-primer painted surface: SPSS-Ss (Swipping)

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

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ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.



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