BUILDING TRUST

PRODUCT DATA SHEET

SikaCor®-800 SFE

TWO COMPONENT SOLVENT FREE AMINE CURED EPOXY COATING

DESCRIPTION

SikaCor®-800 SFE is a solvent free, two-componet, high build, amine cured epoxy paint, which cures to a coating with good resistance to fresh water, good abrasion and impact resistance.

USES

SikaCor®-800 SFE may only be used by experienced professionals.

- As a lining in potable water tanks and pipelines.
- As a self-primed, high build coating primarily for areas subjects to abrasion and/or to a highly corrosive environment: E.g. splash zones, jetty and bridge pilings.

CHARACTERISTICS / ADVANTAGES

- No smell when working in confined spaces.
- Low risk of fire and explosion.
- High build application.
- Solvent free & Low VOC.

PRODUCT INFORMATION

Composition	Components A, B
Packaging	SikaCor®-800 SFE PT-A 12L SikaCor®-800 SFE PT-B 3L
Appearance / Colour	White, Blue (Other colours by orders)
Shelf life	12 months (Base & Hardeners)
Storage conditions	The product must stored properly in oritinal, unopened an 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)
Flash Point	60°C
Solid content by volume	97% ± 2

TECHNICAL INFORMATION

Chemical Resistance	Excellent (No defect, rust or blister)

SYSTEMS

Systems	1st coat: SikaCor®-800 SFE 300 - 500 microns 2nd coat: None or as a specifications

APPLICATION INFORMATION

Mixing Ratio	Components A : B = 4 : 1 (by vol)
Thinner	Do not dilute (If it necessary, SikaCor E thinner, thinning less than 1-2% by volume).
Consumption	3.3 m^2/L (DFT 300 microns)
Product Temperature	The temperature of the mixed base and hardener should preferbly be above 20°C. At lower temperature the viscosity will be too high for spray application.
Substrate Temperature	During application and curing a substrate temperature should be kept 5-40°C and relative humidity should be kept under 85%
Surface Temperature	Above 10°C
Pot Life	approx. 1 hour (at 20°C)
Waiting Time / Overcoating	Min. 12 hours (at 20°C) Max. 7 days (for itself) / 3 days (for others)
Drying time	approx. 2 hours (dry to touch, 20°C)

APPLICATION INSTRUCTIONS

EQUIPMENT

AIRLESS SPRAY
- Use heavy duty single feed airless spray equipment preferably 60:1 pump ratio and suitable high pressure hose
- In-line heating or industrial hose may be necessary to avoid cooling down of paint in hose at low temperature
- Application with 45:1 airless spray equipment is possible provided in-line heated high pressure hose are used
- In case of using 45:1 airless spray equipment the paint must be heated to approx. 30°C in order to obtain the right application viscosity
- Length of hose should be as short as possible
- Nozzle orifice : 0.019-0.023 inch
- Nozzle pressure: approx. 4000 psi at 20°C

BRUSH/ROLLER
- For stripe coating and spot repair only

SURFACE PREPARATION

- Steel; blast cleaned to ISO-Sa2.5, blasting profile 50-100 microns
- Surface temperatures must be above 5°C and at least 3°C above dew point during application and curing

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.

ECOLOGY, HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, uses shall refer to the most recent Safety Data Sheet (SDS) 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 recommenda-

tions. 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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