

PRODUCT DATA SHEET

SikaCor®-205 ECT

TWO COMPONENTS POLYAMIDE CURING PURE EPOXY COATING

DESCRIPTION

SikaCor®-205 ECT is two components poly amide curing pure epoxy provides excellent corrosion resistance and chemical resistance by its durability of the film. SikaCor®-205 ECT also shows moderate adhesion on non-ferrous metal such as aluminum, galvanized steel etc. It is recommendable to apply SikaCor®-205 ECT for fresh water tank and food container inside. (Certified by FDA)

CHARACTERISTICS / ADVANTAGES

- Tough, with long-term flexibility
- Resistant to water and splash of mild chemicals
- Excellent adhesion to galva & zinc rich primer
- Excellent water, chemical resistance
- Excellent physical resistance (impact & abrasion)
- Fast drying

USES

SikaCor®-205 ECT may only be used by experienced professionals.

- Suitable for industrial and marine application
- Used for interior of freight container topcoat
- Applicable for Drinking water tank & Food tank

PRODUCT INFORMATION

Packaging	SikaCor 205ECT (A) 14.4L SikaCor 205ECT (B) 3.6L
Appearance / Colour	Eggshell / Various colors on order
Shelf life	12 months
Storage conditions	▪ Store in original, unopened and undamaged sealed packaging in dry conditions at temperature between 5°C and 35°C. ▪ Store cool and dry place avoiding direct exposure to sunlight. ▪ Exposure to higher temperatures will reduce shelf life.
Density	Approx. 1.4
Solid content by volume	55%±3

SYSTEMS

Systems	Coating system ▪ 1st : SikaCor®-205 ECT 100-150 microns ▪ 2nd : SikaCor®-205 ECT 100-150 microns
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Mixing Ratio	Base : Hardener = 4 : 1 (By volume)
Thinner	SikaCor Thinner No.8 (or SikaCor E thinner) ▪ Use max 10% of Thinner by volume ▪ Too much thinning results in reduced sag-resistance
Consumption	Theoretical spreading rate : 5.5 m ² /Liter (100 microns of dry film thickness)
Layer Thickness	Recommended dry film thickness : 100 - 150 microns
Pot Life	Min. 3 hours (20°C)
Waiting Time / Overcoating	Min. 5 hours / 20°C (between itself or other epoxies) Max. 30 days
Drying time	Set to touch : Min 2 hours (20°C)

APPLICATION INSTRUCTIONS

- Temperature of the mixed base and hardener should preferably be above 15°C, otherwise extra solvent may be required to obtain proper application viscosity.
- Too much solvent results in reduced sag resistance and slower cure

EQUIPMENT

Airless spray

Recommended thinner	: SikaCor thinner No.8
Volume of thinner	: 5~15%
Nozzle orifice	: Approx. 0.53 - 0.74mm
Nozzle pressure	: 12-15 MPa

Air spray

Recommended thinner	: SikaCor thinner No.8
Volume of thinner	: 5~15%
Nozzle orifice	: 1.5~2.0 mm
Nozzle pressure	: 0.3~0.4 MPa

Brush/Roller : Volume of thinner : 0~5%

SURFACE PREPARATION

For immersion exposure

- Steel or steel with not approved zinc silicate shopprimer; blast cleaned to ISO-Sa2.5, blasting profile 30-75 microns
- Steel with approved zinc silicate shopprimer; weld seems and areas of damaged shopprimer or break-down should be blast cleaned to ISO-Sa2.5, blasting profile 30-75 microns or power tool cleaned to SPSS-Pt3

For atmospheric exposure

- Steel; blast cleaned to ISO-Sa2.5, blasting profile 30-75 microns or ISO St3
- Shop primed steel; power tool cleaned to SPSS-Pt3
- Galvanized steel; cleaned from grease, salts, contamination and roughened up
- Previous coat; dry and free from any contamination (oil, dirt etc)

Substrates temperature should be at least 3 above dew point but not above 50°C.

For tank coatings, please contact to Sika's technical representative.

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, 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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