

PRODUCT DATA SHEET

SikaCor® E-200 I

PURE EPOXY UNIVERSAL PRIMER

DESCRIPTION

Two components multi purpose polyamide cured anti-corrosive epoxy primer provides excellent anti-corrosion and chemical resistance with wide application windows. SikaCor® E-200I also shows excellent adhesion on non-ferrous metal such as aluminum, stainless steel and galvanized steel etc.

USES

SikaCor® E-200 I may only be used by experienced professionals.

- Anti-corrosive primer for most of all areas of marine vessel (Underwater hull, water ballast tank, deck and accommodation area etc.)
- Anti-corrosive primer for various steel structures (on-shore/offshore)
- Protective coating for chemical tanks and cargo holds

CHARACTERISTICS / ADVANTAGES

- Epoxy universal primer for all areas of marine vessels
- Excellent anti-corrosion and water resistance
- Pure epoxy primer with good adhesion and chemical resistance
- Excellent adhesion to steel, shop-primed steel, galvanized steel and non-ferrous metal
- Excellent workability and recoatability

PRODUCT INFORMATION

Packaging	SikaCor® E-200 I PT-A : 12L SikaCor® E-200 I PT-B : 3L
Appearance / Colour	Eggshell / Grey, Redbrown with aluminum etc.
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 g/cm ³
Flash Point	Approx. 25°C
Solid content by volume	60 ± 2%

SYSTEMS

Systems

General purpose anticorrosion prime (immersion/non-immersion)

1st : SikaCor® E-200 I : 75~150 microns

2nd : SikaCor® E-200 I : 75~150 microns

Water ballast tank coating system

1st : SikaCor® E-200 I : 160 microns

2nd : SikaCor® E-200 I : 160 microns

Coating systems for underwater hull area and tank coatings to be discussed with Sika's technical representatives.

APPLICATION INFORMATION

Mixing Ratio

Mixing ratio by Volume, PT-A to PT-B : 80 : 20

Thinner

SikaCor E Thinner

- Use max 10% of Thinner by volume
- Too much thinning results in reduced sag-resistance

Consumption

Theoretical spreading rate : 6.0 m²/Liter (100 microns of dry film thickness)

Pot Life

At application viscosity

15°C	10 hours
20°C	7 hours
30°C	4 hours

Curing Time

Curing table for DFT up to 160 microns

Substrate temperature	Touch dry	Dry to handle	Full cure
5°C	5 hours	14 hours	21 days
10°C	3 hours	8 hours	14 days
20°C	1.5 hours	4 hours	7 days
30°C	45 min.	2.5 hours	5 days
40°C	30 min.	1.5 hours	4 days

Adequate ventilation must be maintained during application and curing

Waiting Time / Overcoating

Overcoating table for SikaCor® E-200 I (dry film thickness up to 160 microns)

Substrate temperature	5°C	10°C	20°C	30°C	40°C
Minimum interval	13 hours	6 hours	2.5 hours	1.5 hours	1.0 hours
Maximum interval	6 months	6 months	6 months	4 months	3 months
NOT exposed to sunshine					
Maximum interval exposed to sunshine	3 months	3 months	3 months	2 months	2 months

Surface should be dry and free from any contamination (oil, dirt etc)

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 E thinner

Volume of thinner : 5~15%

Nozzle orifice : Approx. 0.53 - 0.74mm

Nozzle pressure : 12-15 MPa

Air spray

Recommended thinner	: SikaCor E thinner
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%

SUBSTRATE 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 seams and areas of damaged shopprimer or breakdown 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.

Sika Korea Ltd.

135 gil 16, Nonhyun-ro
Gangnam-ku, Seoul, Korea
Tel : +82 2 6912 1500
Fax: +82 2 6912 1555
web: <http://kor.sika.com>



Product Data Sheet
SikaCor® E-200 I
January 2019, Version 01.01
020602000130000017

SikaCorE-200I-en-KR-(01-2019)-1-1.pdf