

PRODUCT DATA SHEET

Sikagard®-5333

High solid surface tolerable epoxy coating

DESCRIPTION

Sikagard®-5333 is a high build, high performance, surface tolerable epoxy enveloping coating, formulated with exceptional wetting and penetrating power that will adhere on surfaces where extensive preparation is not practical.

USES

Formulated to replace coal tar epoxy for a wide range of steel and concrete surfaces. Use on structural steel, bridges, sewerage tank interiors and exteriors, piping, roofs, off-shore, drainage structures and other substrate subject to high humidity and moisture (not exceeding 5 % when measured with Tramex concrete moisture meter). Its enveloping characteristic makes Sikagard®-5333 ideal as a corrosion resistant material. When overcoating with PU coating, it is resistant to UV and weathering effects. Typical area of applications includes wastewater or sewage treatment plants, food, pharmaceutical, electronics, glove factory and other light industrial plants.

CHARACTERISTICS / ADVANTAGES

- High solid and can be top coated (indoor)
- Self priming and surface tolerable
- Excellent adhesion on most surfaces
- Versatile, easy to apply and low maintenance
- Good resistant to abrasion, chemical and corrosion

PRODUCT INFORMATION

Packaging	Part A + B	5 kg set	20 kg set
	Part A	2.5 kg pail	10 kg pail
	Part B	2.5 kg pail	10 kg pail
Colour	Concrete colour RAL 7023		
Shelf Life	12 months from date of production		
Storage Conditions	Stored in unopened, undamaged and original sealed packaging in dry and cool conditions. Protect from moisture and direct sunlight.		
Solid content by weight	(80 ± 2) %		

TECHNICAL INFORMATION

Dry Film Thickness	125–250 μ
--------------------	-----------

APPLICATION INFORMATION

Mixing Ratio	Part A : Part B = 1 : 1 by weight
Consumption	~6 m ² /L/coat or ~4.2 m ² /kg/coat (at 125 μ DFT)
Pot Life	~2 hours at 25 °C
Waiting Time / Overcoating	~10 hours at 30 °C
Drying Time	Touch dry ~4 hours at 25 °C

BASIS OF PRODUCT DATA

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

ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

SUBSTRATE PREPARATION

Concrete surface must be cured, dry, clean and free from contamination.

MIXING

Stir each component separately using an electric drill fitted with a wing type mixing paddle. Then pour entire content of Part B into Part A and continue to mix content thoroughly for 2–3 minutes until smooth and homogeneous before use.

APPLICATION

Apply Sikagard®-5333 with brush, roller (short hair mohair roller) or airless or conventional spray. All rolling strokes must be unidirectional to avoid roller marks. Take precaution on roller lapping to ensure uniform thickness and appearance. 1–2 coats recommended.

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 Kimia Sdn. Bhd.

Lot 689, Nilai Industrial Estate,
71800 Nilai, Negeri Sembilan D.K.
Malaysia
Phone: +606-7991762
e-mail: info@my.sika.com
Website: www.sika.com.my



Product Data Sheet

Sikagard®-5333
December 2024, Version 01.01
020303120020000024

Sikagard-5333-en-MY-(12-2024)-1-1.pdf