BUILDING TRUST

PRODUCT DATA SHEET

SikaCor® EG-5

2-pack AY-PUR top coat

PRODUCT DESCRIPTION

SikaCor® EG-5 is a 2-pack acrylic polyurethane top coat.
By adding 1 % b.w. SikaCor® PUR Accelerator (see product data sheet for more information) a fast touch and through drying will be achieved.

USES

SikaCor® EG-5 installation works to be carried out only by Sika Approved Contractors. Please observe information given by Product Data Sheets.

SikaCor® EG-5 can be used as a line marking paint on selflevelling and broadcasted epoxy and polyurethan resin based floors e. g. for car parks.

CHARACTERISTICS / ADVANTAGES

- Tough elastic and hard but not brittle
- Largely insensitive against shock and impact
- Excellent chemical, weather and colour stability

PRODUCT INFORMATION

Packaging	SikaCor® EG-5	30 kg and 10 kg net.
	Sika® Thinner EG	25 l, 10 l and 3 l
	SikaCor® Cleaner	160 l and 25 l
Shelf Life	2 years	
Storage Conditions	In originally sealed containers in a cool and dry environment.	
Appearance / Colour	RAL and NCS colour shades	
Density	~1.3 kg/l	

TECHNICAL INFORMATION

Thermal Resistance	Dry heat up to + 150°C, short term up to + 200°C Damp heat up to approx. + 50°C In case of higher temperatures please consult Sika. An exposure to high temperatures can lead to color changes.
Chemical Resistance	Weather, water, sewage, seawater, smoke, de-icing salts, acid and lye vapours, oils, grease and short term exposure to fuels and solvents.

SYSTEM INFORMATION

Systems

Selflevelling and broadcasted floors:
1x SikaCor® EG-5

In case of light colours a second top coat of SikaCor® EG-5 may become necessary to achieve perfect opacity.

APPLICATION INFORMATION

Mixing Ratio

	Components A : B
By weight	90 : 10
By volume	7.1 : 1*

*The volumetric mixing ratio may vary depending on the colour shade. Please refer to Sika, if needed.

Thinner

Sika® Thinner EG
If necessary max. 5% Sika® Thinner EG may be added to adapt the viscosity.

Consumption

Theoretical material-consumption/VOC without loss for medium dry film thickness:

Dry film thickness	60 µm	80 µm
Wet film thickness	100 µm	130 µm
Consumption	~0.130 kg/m²	~0.170 kg/m²
VOC	~33 g/m²	~44 g/m²

If used as line marking paint on floors the consumption is approx. 0.20 kg/m².

Product Temperature

Min. + 5°C

Relative Air Humidity

Max. 85 %, except the surface temperature is significantly higher than the dew point temperature, it shall be at least 3 K above dew point.
The surface must be dry and free from ice.

Pot Life

At + 10°C	~7 h	~5 h *
At + 20°C	~5 h	~3 h *
At + 30°C	~4 h	~2 h *

* By adding 1 % b.w. SikaCor® PUR Accelerator

Waiting Time / Overcoating

Min. until drying stage 6 is achieved
Max. unlimited
Prior to further applications possible contamination must be removed.

Drying time

Final drying time
Depending on film thickness and temperature full hardness is achieved after 1 week. Tests of the completed coating system should only be carried out after final curing.

Drying stage 6

	Dry film thickness 80 µm
+ 5°C after	21 h
+ 10°C after	18 h
+ 20°C after	14 h
+ 40°C after	3 h
+ 80°C after	45 min

(ISO 9117-5)

By adding 1 % b.w. SikaCor® PUR Accelerator:

	Dry film thickness 80 µm	(ISO 9117-5)
0°C after	52 h	
+ 5°C after	18 h	
+ 10°C after	13 h	
+ 20°C after	5 h	

VALUE BASE

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

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

DIRECTIVE 2004/42/CE - LIMITATION OF EMISSIONS OF VOC

According to the EU Directive 2004/42/CE, the maximum allowed content of VOC (product category IIA / j, type SB) is 500 g/l (Limits 2010) for the ready to use product.

The maximum content of SikaCor® EG-5 is < 500 g/l VOC for the ready to use product.

APPLICATION INSTRUCTIONS

MIXING

Stir component A very thoroughly using an electric mixer (start slowly, then increase up to approx. 300 rpm). Add component B carefully and mix both components very thoroughly (including sides and bottom of the container). Mix for at least 3 minutes until a homogeneous mixture is achieved. Fill mixed material into clean container and mix again shortly as described above. During mixing and handling of the materials always wear protective goggles, suitable gloves and other protective clothings.

APPLICATION

The method of application has a major effect on achieving uniform thickness and appearance. Spray application will give the best results. The indicated dry film thickness is easily achieved by airless spray. Adding solvents reduces the sag resistance and the dry film thickness. In case of application by roller or brush, additional applications may become necessary to achieve the required coating thickness, depending on type of construction, site conditions, colour shade etc. Prior to major coating operations a test application on site may be useful to ensure the selected application method will provide the requested results.

By brush and roller

Conventional high pressure spraying:
- Nozzle size 1.5 - 2.5 mm
- Pressure 3 - 5 bar
- Oil and water trap is compulsory

Airless-spraying:
- Pressure min. 180 bar
- Nozzle size 0.38 - 0.53 mm (0.015 - 0.021 inch)
- Spraying angle 40° - 80°

CLEANING OF TOOLS

SikaCor® Cleaner
Spraying equipment must be rinsed with Sika® Thinner EG before using SikaCor® EG-5.

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.

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 IRELAND LIMITED
Ballymun Industrial Estate
Ballymun
Dublin 11, Ireland
Tel: +353 1 862 0709
Web: www.sika.ie
Twitter: @SikaIreland