

# PRODUCT DATA SHEET

## Sika® Corro Top New

SOLVENT-CONTAINING, 1-PACK COATING BASED ON SYNTHETIC RESIN FOR STEEL AND PRIMER COATED GALVANIZING

### DESCRIPTION

Aesthetically attractive, easy applicable coating with a smooth, glossy surface.

### USES

Sika® Corro Top New may only be used by experienced professionals.

Corrosion protection and colour design for steel or prime coated galvanized steel constructions, e.g. warehouse structures, machine parts, wall and ceiling cladding, doors, railings, for indoor and outdoor.

### CHARACTERISTICS / ADVANTAGES

- Quick-drying
- Stackable
- Excellent adhesion even on hard PVC, timber, old coatings, primed galvanized surfaces and aluminium

### PRODUCT INFORMATION

<b>Packaging</b>	Sika® CorroTop NEW	12.5 kg net	
	Sika® CorroTop EG NEW	12.5 kg net	
	Sika® Thinner B	10 l and 3 l	
<b>Appearance / Colour</b>	RAL and mio colour shades Slight colour deviations are possible due to raw material characteristics.		
<b>Shelf life</b>	24 months from date of production		
<b>Storage conditions</b>	In originally sealed containers in a cool and dry environment.		
<b>Density</b>	Sika® CorroTop NEW	1.3 kg/l	
	Sika® CorroTop EG NEW	1.3 kg/l	
<b>Solid content</b>		<b>By volume</b>	<b>By weight</b>
	Sika® CorroTop NEW	56 %	73 %
	Sika® CorroTop EG NEW	50 %	69 %

### TECHNICAL INFORMATION

<b>Chemical Resistance</b>	Sika® CorroTop NEW and Sika® CorroTop EG NEW are resistant to weathering.
<b>Thermal Resistance</b>	Dry heat up to max. + 100°C

## SYSTEMS

### Systems

#### Steel:

1 - 2 x Sika® CorroTop NEW or Sika® CorroTop EG NEW, depending on exposure

or

1 x SikaCor® Aktivprimer Rapid resp. SikaCor® Steel Protect VHS Rapid

1 x Sika® CorroTop NEW or Sika® CorroTop EG NEW

#### Manual derusting:

2 x Sika® CorroTop NEW or Sika® CorroTop EG NEW

#### Aluminium, copper and galvanized surfaces:

1 x SikaCor®-6630 High Solid or SikaCor® Aktivprimer Rapid\*

1 - 2 x Sika® CorroTop NEW, Sika® CorroTop EG NEW

\* For SikaCor® Aktivprimer Rapid sweep-blasting is recommended for galvanized surfaces

#### Old coatings, hard PVC and timber:

2 x Sika® CorroTop NEW, Sika® CorroTop EG NEW

#### Maintenance coating on steel:

Touch up with Sika® CorroTop NEW, Sika® CorroTop EG NEW or SikaCor® Aktivprimer Rapid

1 - 2 x Sika® CorroTop NEW or Sika® CorroTop EG NEW

To ensure adhesion, a trial application is recommended.

Sika® CorroTop NEW, Sika® CorroTop EG NEW is also overcoatable with other 1-pack synthetic-resin coatings.

The product is not suitable for underwater exposure, resp. permanent condensation. When applying light and brilliant colours of Sika® CorroTop NEW, Sika® CorroTop EG NEW a 2<sup>nd</sup> coat may become necessary to achieve perfect opacity.

Brilliant colours have the tendency to lightening under strong UV - exposure.

## APPLICATION INFORMATION

### Thinner

Sika® Thinner B

If necessary max. 3 % Sika® Thinner B may be added to adapt the viscosity.

### Consumption

Product	Sika® CorroTop NEW	Sika® CorroTop EG NEW
Dry film thickness	60 µm*	60 µm*
Wet film thickness	110 µm	120 µm
Consumption	0.140 kg/m <sup>2</sup>	0.150 kg/m <sup>2</sup>
VOC	36.5 g/m <sup>2</sup>	48.0 g/m <sup>2</sup>

\* Max. dry film thickness: 120 µm

### 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.

### Surface Temperature

Min. + 5°C

### Drying Stage 6

Sika® CorroTop New / Sika® CorroTop EG New	Dry film thickness	(ISO 9117-5)
+ 5°C after	60 µm	
+ 23°C after	21 h	
	10 h	

### Waiting Time / Overcoating

At + 20°C

Min. 12 h

### Drying time

#### Final drying time

Depending on layer thickness and temperature final hardness is usually achieved within several days.

## APPLICATION INSTRUCTIONS

### SURFACE PREPARATION

#### Steel:

Surface must be free from oil, grease, dirt, as well as free of scale and mill scale.

Blast cleaning to Sa 2 ½ according to ISO 12944-4 will give the best result.

In case of lower exposure as e.g. in rural atmosphere or indoors, manual surface preparation (power tool cleaning) to St 2 may be sufficient.

#### Hot dip galvanized steel, copper, aluminium, hard PVC:

Free of oil, grease, dirt and corrosion products.

#### Old coatings:

Well adhering coatings need only to be cleaned.

Loose particles must be removed, corroded areas must be derusted to PSa 2 ½, PMA or PSt 2 and patched up with Sika® CorroTop NEW, Sika® CorroTop EG NEW or SikaCor® Aktivprimer Rapid.

For contaminated and weathered surfaces e.g. galvanized or primed areas we recommend to clean with SikaCor® Wash.

### MIXING

Sika® CorroTop NEW and Sika® CorroTop EG NEW are supplied ready for use.

Stir thoroughly prior to application.

### 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 - 2.0 mm
- Pressure 3 - 5 bar

#### Airless-spraying:

- Pressure min. 180 bar
- Nozzle size 0.33 - 0.53 mm (0.013 - 0.021 inch)
- Spraying angle 40° - 80°

### CLEANING OF TOOLS

Sika® Thinner B

## 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.

## LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

## 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 Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

### 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 / i type Sb) is 500 g/l (Limits 2010) for the ready to use product.

The maximum content of Sika® Corro Top New is < 500 g/l VOC for the ready to use product.

## 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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