

2C Hybrid Paint SX-10

2C coating system based on modern epoxy-siloxane hybrid technology.



Product description

Application range

Thanks to its excellent adhesion and very good anticorrosive properties on steel, hot-dip galvanised steel and light metal SX-10 can be applied directly to metal substrates as single-coat system. Typical areas of application are general steel constructions, machines, plants, tools, vehicles. For heavy corrosion protection of categories C5, we recommend priming the sandblasted steel surface with 2C Epoxy Zinc Dust Primer ZG-01. Due to its high resistance properties, which are comparable to those of 2C PU coatings, SX-10 is also suitable for decorative outdoor coatings.

Properties

- excellent adhesion
- very good anticorrosive properties
- resistance to many chemicals
- high surface hardness
- easy-to-clean
- decorative indoor and outdoor coating

Colour shades

RAL, NCS and special colours

Gloss level

gloss (depending on colour shade)

Application rate

approx. 12 m² / kg (60 µm DFT)

Solid content

approx. 90% (depending on colour shade)

Binder agent

Epoxy-siloxane hybrid

Hardener

ReiColor ZS-10

→ Mixing ratio

colourless: 3 : 1 (weight parts)
all other colour shades: 2 : 1 (weight parts)

Delivery sizes

colourless:
600 g SX-10 + 300 g ZS-10
3,0 kg SX-10 + 1,5 kg ZS-10
6,0 kg SX-10 + 3,0 kg ZS-10

all other colour shades:
1,0 kg SX-10 + 300 g ZS-10
5,0 kg SX-10 + 1,5 kg ZS-10

Storage stability / shelf-life	<p>10,0 kg SX-10 + 3,0 kg ZS-10 20,0 kg SX-10 + 6,0 kg ZS-10</p> <p>At least 2 years if stored in original containers in a cool and dry place.</p>
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Handling

Material preparation	Thoroughly mix component A and B before use, leave to stand for approx. 30 minutes before the application.
Application method	<p><u>Air spraying:</u> High pressure spraying at 1.5 - 2 mm nozzle, 4 - 6 bar, if necessary, add a little thinner.</p> <p><u>Airless spraying:</u> Spray pressure in gun at least 180 bar, nozzles from 0.38 – 0.53 mm, spray angle 65 – 80°.</p> <p><u>ESTA spraying:</u> E.g. Ransburg no. 2 electrostatic spray gun or comparable devices. The material is suitable for electrostatic coating. Observe the data provided by the device manufacturer.</p>
Application temperature	at least +5°C to max. 40°C material and object temperature
Solvents	ReiColor thinner VE-50 or ReiColor thinner VK-33 , low odour
Substrates	steel, zinc and galvanised steel and light metals
Substrate preparation	Observe the information in EN ISO 12944 and other relevant standards and the Technical Guidelines for Paintwork, Information Sheet no. 5: "Coatings on zinc and galvanised steel" published by the German Committee for Paints and the Protection of Property.
Coating built-up	<p>2C Hybrid Paint SX-10 may be applied direct on metall surface.</p> <p>For excellent corrosion protection (C5) use of primer e.g. ReiColor ZG-01 is recommended.</p>
Working life	approx. 4 h
Drying time	<p>At approx. 60 µm / + 20°C, DIN EN ISO 9117-5:</p> <p>T1 (dust dry): approx. 2 h</p> <p>T6 (touch dry): 8 - 9 h</p>

Notes

Safety instructions VOC	<p>Cat. A/j, 500 g/l (2010).</p> <p>This product contains max. 500 g/l VOC when mixed with hardener.</p>
Hazard notes	For hazard information, see the Safety Data Sheet. Other regulations such as e.g. the Hazardous Materials Regulations must be observed.

Data base: All technical information in this data sheet is based on laboratory tests and may deviate from values actually resulting from practical use.

Disclaimer: The above data are based on our present knowledge and experience provided that the material is stored properly and applied appropriately. The data are exclusively intended to describe the products and do not constitute warranted properties in any legal sense. We reserve the right to make changes to product specifications at any time. Our technical advice - whether verbal, in writing or by way of trials - is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. Our advice does not release the customer from the obligation to verify the information currently provided - especially that contained in our safety data and technical information sheets - and to test our products as to their suitability for the intended processes and uses. The application, use and processing of our products and the products manufactured by you on the basis of our technical advice are beyond our control and, therefore, entirely your own responsibility. Our products are sold in accordance with the current version of our General Conditions of Sale and Delivery.

The current version of the technical data sheet with the newest release date is available on our homepage www.reicolor.de/Produkte. With the publication of a new edition of this technical data sheet all information in previous data sheets is no longer valid.

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