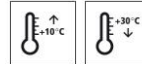


Technical Data Sheet

StoPox ZNP

EP corrosion protection



Characteristics

Area of application

- interior and exposed to the weather
- as protection against corrosion for iron and steel
- as corrosion protection for bonded structural strengthening made of steel

Properties

- very good adhesion to iron and steel
- meets corrosivity category C4 in accordance with DIN EN ISO 12944-2

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bond strength (28 days)	EN 1542	> 2,0 MPa	
Viscosity (at 23 °C)	ISO 3219	720 - 1.080 mPa.s	mixture
Density (mixture 23 °C)	ISO 2811	1,65 - 1,75 g/cm ³	

The characteristic values stated are average values or approximate values. Due to the natural raw materials in our products, the stated values can vary slightly in the same delivery batch; this does not affect the suitability of the product for its intended use.

Substrate

Requirements

Iron and steel surfaces

Preparation grade Sa 2½ in accordance with ISO 8501-1

Preparations

Prepare the substrate using a suitable mechanical process, such as abrasive blasting.

Application

Application temperature

Lowest application temperature: +10 °C
Highest application temperature: +30 °C
max. approved relative humidity: 85 %

Time for application

At +10 °C: approx. 240 minutes
At +23 °C: approx. 120 minutes
at +30 °C: approx. 60 minutes

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Mixing ratio component A : component B = 9 : 1 parts by weight

Material preparation Component A and Component B are supplied in the correct mixing ratio and should be mixed in accordance with the following instructions. Stir component A, then add all of component B. Mix thoroughly with a slow-running paddle mixer (max. 300 rpm) until a homogeneous, streak-free compound develops. It is also vital to stir thoroughly at the sides and the bottom in order to evenly distribute the hardener. Mixing time is at least 3 minutes. After mixing, pour the compound into a clean container and mix again. Do not apply from the delivery container!

The temperature of the individual components must be at least +15 °C when mixing.

Consumption	Type of application	Approx. consumption	
	as protection against corrosion	0,25	kg/m ²
Material consumption depends on the application, substrate, and consistency, among other factors. The stated consumption values are only to be used as a guide. If required, determine precise consumption values on the basis of the specific project.			

Coating build-up Protection against corrosion
 1) Substrate preparation
 2) Protection against corrosion with StoPox ZNP
 First layer (colour shade sand-yellow)
 Second layer: (colour shade red-brown)

Scatter the second layer with StoQuarz 0.1 - 0.5 mm within 10 minutes.
 If using as protection against corrosion for bonded structural strengthening, scattering is not required.

Application 1) Substrate preparation

2) Protection against corrosion
 Immediately after substrate preparation, apply the first layer of StoPox ZNP (sand-yellow) using a paint brush or roller.
 Consumption of StoPox ZNP (sand-yellow): approx. 0.2 - 0.3 kg/m²

On the next day, apply a second layer of StoPox ZNP (red-brown) using a roller.
 Consumption of StoPox ZNP (red brown): approx. 0.2 - 0.3 kg/m²

Note:
 If using StoPox ZNP as part of structural strengthening, please refer to the relevant national technical approval.

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If StoPox ZNP is used as protection against corrosion under coatings that are subject to mechanical loads, e.g. from being walked or driven on, scatter StoQuarz 0.1 - 0.5 mm kiln-dried quartz sand over the full surface of the second layer of StoPox ZNP within 10 minutes.

Protect StoPox ZNP from moisture for a period of 5 hours after application (at +23 °C and < 85 % relative humidity). If moisture still acts on it, whitening and/or stickiness can appear directly on the surface. The material underneath the surface still cures perfectly.

Any whitening or stickiness strongly reduces adhesion of the subsequent coatings and must, therefore, be removed. At low temperatures, delayed reaction with a change to the material consistency, and possibly greater material consumption, should generally be expected.

Caution: Because StoPox ZNP contains solvents, ensure good 2-way ventilation during application in closed rooms.

Drying, curing, ready for next coat

Curing time:
At +10°C: after approx. 7 days
At +23°C: after approx. 3 days
At +30°C: after approx. 2 days

Reworking time:
At +10°C: approx. 48 h
At +23°C: approx. 12 h
At +30°C: approx. 8 h

Cleaning the tools

Clean with StoCryl VV.

Notes, recommendations, special information, miscellaneous

General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual.

Delivery

Colour shade sand-yellow, red-brown

Packaging tin

Article number	Name	Container
14098/026	StoPox ZNP Set sandyellow	15 kg set

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14098/021	StoPox ZNP Combi sandyellow	9 kg combi
14098/020	StoPox ZNP Combi red brown	15 kg combi
14098/019	StoPox ZNP Combi red brown	9 kg combi

Storage

Storage conditions	Store in dry and frost-free conditions. Avoid direct sunlight.
Storage life	In the original container until ... (see packaging).

Certificates/approvals

Z-36.1-87	GUT-00001001
Z-36.12-86	GUT-00001002
Z-36.12-88	Sto S&P CFK Lamella, slotted

Identification

Product group	Primer
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GISCODE	RE70
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Safety

This product is subject to compulsory labelling in accordance with the current EU regulation.
You will receive an EU Safety Data Sheet with your first order.
Please observe the information regarding the handling of the product, its storage, and disposal.
Handling epoxy resins: "Praxisleitfaden für den Umgang mit Epoxidharzen", (Practical guide for handling epoxy resins) and
test report: "Prüfbericht zur Schutzwirkung von acht Chemikalienschutzhandschuhen gegenüber EP-Beschichtungen" (Test report on the protective effect of eight chemical protective gloves against EP coatings),
Gloves: "Handschuhe für den Umgang mit lösemittelfreien Epoxidharzen" (Gloves for handling solvent-free epoxy resins), and
Protective gloves: "Die richtige Anwendung von Schutzhandschuhen" (The correct use of protective gloves)
<https://www.bgbau.de/themen/sicherheit-und-gesundheit/gefahrstoffe/umgang->

Technical Data Sheet

StoPox ZNP

mit-epoxidharzen/

Published by:
BG BAU - Berufsgenossenschaft der Bauwirtschaft
Hildegardstraße 29/30, 10715 DE-Berlin
Tel. (+49) 30 85781-0, Fax. (+49) 800 6686688-37400, www.bgbau.de

Guidelines for the planning of building site facilities: "Wirtschaftliche and sichere Baustelleneinrichtung"

Published by:
Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (BAuA)
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Tel. (+49) 231 9071-0, Fax. (+49) 231 9071-2454,
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Special notes

The information in this Technical Data Sheet serves to ensure the product's intended use, or its suitability for use, and is based on our findings and experience. Users are nevertheless responsible for establishing the product's suitability and use. Applications not specifically mentioned in this Technical Data Sheet are permissible only after prior consultation. Where no approval is given, such applications are at the user's own risk. This applies in particular when the product is used in combination with other products.

When a new Technical Data Sheet is published, all previous Technical Data Sheets are no longer valid. The latest version is available on the Internet.

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