

Technical Data Sheet

StoPox HVP O

EP primer, oil barrier



Characteristics

Area of application	- interior and exposed to the weather - on floors - damp, cleaned, cementitious substrates - as a priming coat for oil-contaminated substrates after they have been cleaned - scattered under EP coatings and PUR coatings
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Properties	- very good adhesion to the substrate - high capillary activity - provides a highly effective barrier against oil contamination rising up through capillaries
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Appearance	milky, slightly cloudy
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Information/notes	- product is in accordance with EN 1504-2 - product is in accordance with EN 13813
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Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Bond strength (28 days)	EN 1542	> 2,0 MPa	
Viscosity (at 23 °C)	EN ISO 3219	400 - 600 mPa.s	mixture
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	Oily, slightly damp, cementitious substrates Requirements on the substrate: The substrate can be dry or damp, but must be load-bearing and free from native and foreign substances that have a separating action. Remove less strong layers and laitance. Dry or damp in accordance with the definition in the DAfStb (German) Repair Guideline 2001-10
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Substrate temperature higher than +8 °C and 3 K above dew point.

Average bond strength: 1.5 N/mm²

Bond strength, lowest single value: 1.0 N/mm²

Preparations

Prepare the substrate using a suitable mechanical process such as shot-blasting, milling and then shot-blasting, or abrasive blasting.

Due to the special problems involved with oil-contaminated substrates, we recommend taking advantage of our Technical Advisory service.

Firstly, clean oil-contaminated concrete substrates using an emulsifying cleaning agent (HVPO oil remover from Schencking & Bury), if necessary several times, in accordance with the manufacturer's instructions.

Subsequently, clean the surface again thoroughly with a brush and clear water and vacuum wet, if necessary several times.

Collect and dispose of the wastewater according to regulations.

Application

Application temperature

Lowest application temperature: +8 °C
Highest application temperature: +30 °C
max. approved relative humidity: 85 %

Time for application

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

Mixing ratio

component A : component B = 100.0 : 12.5 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 primer, depending on the substrate

0,6 - 1,0

kg/m²

Material consumption depends on the application, substrate, and consistency,

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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

Primer for oil-contaminated substrates
1) Substrate preparation
2) Prime with StoPox HVP O, scattering

Application

Oil-contaminated substrates

1) Surface preparation (cleaning procedure with product from Schencking & Bury)
Firstly, clean oil-contaminated concrete substrates using an emulsifying cleaning agent (HVPO oil remover from Schencking & Bury), if necessary several times, in accordance with the manufacturer's instructions. See substrate preparation.

Alternatively, the company Bioversal can take over the complete substrate preparation (www.bioversal.de).

2) Prime coating
Apply StoPox HVP O directly to the slightly damp, cleaned concrete substrate using a rubber squeegee/impregnating brush.
Otherwise, oil will rise up again and prevent the primer from adhering to the substrate.

Consumption: approx. 0.6 - 1.2 kg/m², depending on the substrate roughness

Scatter with StoQuarz 0.6 - 1.2 mm

consumption: approx. 1.0 - 1.5 kg/m²

After scattering, the prime coating can be reworked with other StoPox coatings.

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Drying, curing, ready for next coat

Reworking time:
At +10°C: approx. 28 h
At +23°C: approx. 10 h
At +30°C: approx. 8 h

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Cleaning the tools StoCryl VV / StoDivers EV 100

Notes, recommendations, special information, miscellaneous The declaration(s) of performance can be obtained from the StoCretec Technisches InfoCenter
General application instructions are available at www.stocretec.de and in the notes of the latest Technical Manual.

The abrasion resistance class specified in the CE marking refers to the smooth, not scattered covering.

Delivery

Packaging pail and tin

Article number	Name	Container
14185/011	StoPox HVP O Set	15 kg set
14185/009	StoPox HVP O Set	30 kg set
14185/007	StoPox HVP O Combi	5 kg combi

Storage

Storage conditions Store in dry and frost-free conditions. Avoid direct sunlight.

Storage life In the original container until ... (see packaging).

Identification

Product group Primer

GISCODE RE30

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

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use of protective gloves)
<https://www.bgbau.de/themen/sicherheit-und-gesundheit/gefahrstoffe/umgang-mit-epoxidharzen/>

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

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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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