

Technical Data Sheet

StoPur CL 125

PUR coating, elasticised, low-emission



Characteristics

- Area of application**
- interior
 - as a coloured floor coating with a decorative style
 - on cementitious substrates

- Properties**
- low-odour
 - low in VOC emissions
 - elastic
 - structurally crack-bridging
 - absorbs the sound of impacts

- Appearance**
- silk matt or matt, depending on the sealant used

- Information/notes**
- product is in accordance with EN 13813
 - sensitive to humidity while curing

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Criterion	Standard / test specification	Value/ Unit	Notes
Density		1,3 g/cm ³	
Shore hardness type A		84	after 7 days
Viscosity (at 23 °C)		1.400 mPa.s	

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**
- General:
- Dry, load-bearing
 - Free from separating, native, or foreign substances
 - Remove weak layers.
 - Remove the scatter sand which has not been integrated.
 - Remove any accumulation of fine concrete particles on the surface.
- Dry substrate:
- Depends on the compressive strength class

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- Dry according to the definition contained in the DAfStb (German) Repair Guideline, issue 2001-10.

Moisture content:

- Measure the moisture content of the concrete substrate with a calcium carbide meter.
- Moisture content for concrete qualities up to C30/37: max. 4 CM per cent
- Moisture content for concrete qualities up to C35/45: max. 3 CM per cent

Substrate temperature: at least +10 °C, 3 K above the dew point Bond strength, average: 1.5 N/mm²

Bond strength, lowest single value: 1.0 N/mm²

Preparations

1) Prepare all the above-mentioned substrates using a mechanical method, see "Substrate, requirements".

Example:

- Shot-blasting
- Milling followed by shot-blasting
- Abrasive blasting

Application

Application conditions

The relative air humidity may not exceed 75 % during coating work.

Application temperature

substrate and air temperature
minimum temperature: +10 °C
maximum temperature: +30 °C

Application temperature:
minimum temperature: +10 °C
Maximum temperature: +30 °C

Relative humidity:
minimum: 30 %
maximum: 75 %

Time for application

at +10 °C: approx. 40 minutes
At +20 °C: approx. 25 minutes
At +30 °C: approx. 12 minutes

Reworking time:
at +20 °C: approx. 18 h

Mixing ratio

component A : component B
A : B
100.0 : 30.0 parts by weight

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Material preparation

Notes:

- Component A and Component B are supplied in the correct mixing ratio and mixed in accordance with the following instructions. Stir component A, then add all of component B.
- Mix thoroughly with a slow running stirrer (maximum 300 rpm) until a homogeneous, smooth compound develops. It is also vital to stir thoroughly at the sides and the bottom to ensure that the hardener is uniformly spread.
- Observe the order of the "Preparing material" steps.
- The material temperature is between +15 °C and +25 °C.
- The temperature of all components is between +15 °C and +25 °C.

Mixing time:

- The length of the mixing time depends on the temperature of the material and the ambient temperature.
- Mix each container for the same length of time.

Possible consequences if mixing times are too long or too short:

- Mixing the product too long will shorten the time for application.

Preparing material:

- 1) Stir component A.
- 2) Add all of component B.
- 3) Mix the components until the hardener is well distributed, the mixture is homogeneous, and a streak-free mass is produced.
Paddle mixer: slow running mixer, max. 300 rpm
Mixing time: at least 3 minutes
- 4) Ensure that the mixing equipment covers the bottom and the rim areas of the mixing container. The hardener must be evenly distributed.
- 5) Transfer the mixture to a clean container. Mix the components again.

Consumption	Type of application	Approx. consumption	
	as a coating	1,8 - 2,5	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

- A: coating with elastic rubber granulate mats
- 1) Prepare the substrate.
 - 2) Priming: StoPox GH 500
 - 3) Scatter: StoQuarz 0.3-0.8 mm
 - 4) Applying the adhesive: StoPur AL 125
 - 5) Laying elastic rubber granulate mats.
 - 6) Closing pores: StoPur SL 125
 - 7) Apply an optional levelling layer: StoPur CL 125
 - 8) Coating: StoPur CL 125
 - 9) Sealing: StoPur WV 202

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B: coating on cementitious substrates

- 1) Prepare the substrate.
- 2) Priming: StoPox GH 500
- 3) Scatter: StoQuarz 0.3-0.8 mm
- 4) Apply an optional levelling layer: StoPur CL 125
- 5) Coating: StoPur CL 125
- 6) Sealing: StoPur WV 152 or StoPur WV 202

Application

A: coating with elastic rubber granulate mats

- 1) Prepare the substrate.

2) Priming:

- StoPox GH 500
- Flood apply the product. Tools: rubber squeegee
- Rework the product with a roller and spread evenly.
- consumption: approx. 0.2-0.3 kg/m², depending on the roughness of the substrate
- Note: Avoid the formation of puddles.

3) Scatter:

- StoQuarz 0.3-0.8 mm
- Scatter the fresh priming coat grain by grain without any surplus.
- consumption: approx. 0.5-1.0 kg/m²

4) Applying the adhesive:

- StoPur AL 125
- Apply the product. Tools: spatula
- Spread the product evenly.
- Consumption: approx. 0.3-0.8 kg/m²
- Note: The applied material may not come into contact with water during the first 20 hours after application.

5) Laying elastic rubber granulate mats:

- Lay the elastic rubber granulate mats with butt joints at the required height in StoPur AL 125.
- Weigh down the elastic rubber granulate mats with weights at the ends and in the middle.
- After approx. 30-60 minutes, depending on the temperature: rework the elastic rubber granulate mats to prevent any bubbles. Tools: installation roller, 50 kg

6) Closing pores:

- StoPur SL 125
- Apply the product. Tools: rubber squeegee or spatula
- Spread the product evenly.
- consumption: approx. 0.6-1.0 kg/m²

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- Note: The elastic rubber granulate mats must be dry and free of release agents.

7) Apply an optional levelling layer:

- StoPur CL 125
- Apply the product. Tools: squeegee
- Spread the product evenly.
- consumption: approx. 0.6-1.0 kg/m²

8) Coating:

- StoPur CL 125
- Apply the product. Tools: squeegee
- Spread the product evenly and de-air. Tools: spiked roller
- consumption: approx. 1.8-2.5 kg/m²
- Note: The coating must be applied on the underlying layer within 24 hours.

9) Sealing:

- StoPur WV 202
- Apply the product evenly in a criss-cross pattern. Tools: rubber squeegee
- Rework the product and spread evenly in a criss-cross pattern with a roller. Tools: short-pile roller sleeve
- consumption of StoPur WV 202: approx. 120-140 g/m²
- Note: Avoid the formation of puddles to prevent any difference in gloss level. Do not wait longer than five minutes between rolling on two strips of paint. Always work wet-on-wet to prevent initial drying at the edges.

B: coating on cementitious substrates

1) Prepare the substrate.

2) Priming:

- StoPox GH 500
- Flood apply the product. Tools: rubber squeegee
- Rework the product with a roller and spread evenly.
- consumption: approx. 0.2-0.3 kg/m², depending on the roughness of the substrate
- Note: Avoid the formation of puddles.

3) Scatter:

- StoQuarz 0.3-0.8 mm
- Scatter the fresh priming coat grain by grain without any surplus.
- consumption: approx. 0.5 - 1.0 kg/m²

4) Apply an optional levelling layer:

- StoPur CL 125
- Apply the product. Tools: squeegee
- Spread the product evenly.
- consumption: approx. 0.6-1.0 kg/m²

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5) Coating:

- StoPur CL 125
- Apply the product. Tools: squeegee
- Spread the product evenly and de-air. Tools: spiked roller
- consumption: approx. 1.8-2.5 kg/m²
- Note: The coating must be applied on the underlying layer within 24 hours.

6) Sealing:

- StoPur WV 152 or StoPur WV 202
- Apply the product evenly in a criss-cross pattern. Tools: rubber squeegee
- Rework the product and spread evenly in a criss-cross pattern with a roller. Tools: short-pile roller sleeve
- Consumption StoPur WV 152 or StoPur WV 202: approx. 120-140 g/m²
- Note: Avoid the formation of puddles to prevent any difference in gloss level. Do not wait longer than five minutes between rolling on two strips of paint. Always work wet-on-wet to prevent initial drying at the edges.

Note:

- Avoid direct sunlight, high temperatures, and draughts during application.
- Exposure of the chemicals may cause discolourations, which do not, however, impair the technical function of the coating.
- When working with polyurethane, make sure that the material does not come into contact with water during curing, as this can lead to reaction bubbles (foam formation).
- Roller marks can occur with the sealing coat.
- Layer thickness of the sealing coat: < 0.5 mm. Mechanical use reduces the layer thickness. This can shorten the service life.
- Different material application, too high humidity, and low temperatures can lead to visual defects, e.g. differences in the gloss levels.

Drying, curing, ready for next coat

Reworking time:
At +10 °C: approx. 16 hours

Cleaning the tools

Clean tools with StoDivers EV 100 or StoCryl VV.

Notes, recommendations, special information, miscellaneous

- 1) Observe the general application instructions:
 - see www.stocretec.de, Products
 - see technical manual, notes
- 2) Observe the implementation instructions.

Declaration of performance, CE marking:

- declaration of performance: see www.stocretec.de
- The abrasion resistance specified in the declaration of performance refers to the smooth, not scattered covering.

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Delivery

Colour shade RAL colour fan, great choice of colour shades in accordance with the StoColor System

Article number	Name	Container
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04081/001	StoPur CL 125 Set tinted	30 kg set
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Storage

Storage conditions Store in dry and frost-free conditions. Protect from direct sunlight. Avoid temperatures above +25 °C. Store in dry and frost-free conditions. Protect from direct sunlight.

Storage life The product quality is best guaranteed in its unopened original container until its shelf life has expired. This information is included in the batch number on the container. Explanation of batch nos.:
digit 1 = last digit of the year, digits 2 + 3 = calendar week, example: 2450013223 - storage life ends at week 45 in 2022
See product packaging
The product quality is best guaranteed in its unopened original container until its shelf life has expired. The first digit of the batch number is the final digit of the year. The second and third digits indicate the calendar week. Example: 1450013223 - shelf life until end of calendar week 45 in 2021.
See product packaging

Identification

Product group Coating

GISCODE x

Safety This product is subject to compulsory labelling in accordance with the current EU regulation.
Observe the Safety Data Sheet!

EUH210 Safety data sheet available on request.

EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

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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.

StoCretec GmbH
Gutenbergstr. 6
D-65830 Kriftel

Tel.: +49 6192 401-104
Fax: +49 6192 401-105
stocretec@sto.com
www.stocretec.de