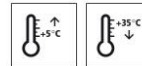


Technical Data Sheet

StoPur AP 70

PUR bonding agent for StoPur SC 300, single-component, quick-curing



Characteristics

Area of application • as a bonding agent between StoPur SC 300 and StoPur AC 500 S

Properties • very good adhesion

Information/notes • moisture-curing

Technical data

Criterion	Standard / test specification	Value/ Unit	Notes
Density	DIN 53217	1,03 g/cm ³	
Viscosity (at 23 °C)	EN ISO 3219	20 - 150 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 any accumulation of fine concrete particles on the surface.

Dry substrate:

- Depends on the compressive strength class
- Dry in accordance with the definition in EN 1504-10

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

Note:

If StoPur SC 300 is overcoated after more than 2 weeks, the surface must be

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sanded and then vacuumed before applying the bonding agent!

Application

Application temperature	substrate and air temperature minimum temperature: +5 °C maximum temperature: +35 °C Application temperature: minimum temperature: +5 °C maximum temperature: +35 °C Relative humidity: minimum: 40 % maximum: 85 %
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Time for application	at +23 °C: maximum 10 minutes
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Material preparation	Notes: - The material temperature is between +15 °C and +25 °C.
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Consumption	Type of application	Approx. consumption	
	as bonding agent	50 - 100	g/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	1) Prepare the substrate. 2) Priming: StoPox GH 500 3) Scatter: StoQuarz 0.3-0.8 mm 4) Apply a crack-bridging, sealing layer: StoPur SC 300 5) Apply an optional bonding agent: StoPur AP 70 6) Applying a wearing course: StoPur AC 500 S 7) Scatter: StoQuarz 0.3–0.8 mm or 0.6–1.2 mm 8) Sealing: StoPox DV 502
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Application	1) Prepare the substrate. 2) Priming: - StoPox GH 500 - Apply the product evenly. Tools: rubber squeegee - Rework the product with a roller and spread evenly. - consumption: approx. 0.3-0.4 kg/m², depending on the roughness of the
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substrate

- Note: Avoid the formation of puddles.
- Recommendation: Apply a scratch coat for roughness depths > 0.5 mm.

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
- Note: Remove the unbound quartz sand after 24 h.

4) Apply a crack-bridging, sealing layer, main effective surface protection layer:

- StoPur SC 300
- Apply the product unfilled without quartz sand. layer thickness: at least 2.0 mm
- The product can only be applied using two-component spray equipment.
- consumption: approx. 2.3 kg/m²
- Note: Use spiked soles with blunt nails during scattering or de-airing to prevent damage to the membrane.

5) Apply an optional bonding agent:

- StoPur AP 70
- Apply the product evenly. Tools: roll
- consumption of StoPur AP 70: approx. 50-100 g/m²

6) Applying a wearing course:

- StoPur AC 500 S
- Waiting time: Apply the wearing course after 1-24 hours.
- Apply the product evenly. Tools: squeegee
- consumption of StoPur AC 500 S: approx. 0.7-1.2 kg/m²

7) Scatter:

- StoQuarz 0.6-1.2 mm
- Scatter the surface full-faced in excess.
- consumption of StoQuarz 0.6-1.2 mm: approx. 5-6 kg/m²

8) Sealing:

- StoPox DV 502
- Remove the unbound quartz sand.
- 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: approx. 0.8-1.0 kg/m², depending on the scattering

Apply the StoCretec surface protection system OS 10.21 :

- Coverage and details: implementation instructions, attachment 1 of the general building inspection test certificate.

Notes:

Damp and not fully cured substrates lead to damage.

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Substrate temperature, ambient temperature:

- In addition to the ambient temperature, the substrate temperature is vital for the application of reaction resins.
- Low temperatures delay the chemical reactions.
- This extends the time for application, overcoating, and walking on it.
- The consumption per surface unit may rise due to increasing viscosity.
- High temperatures accelerate chemical reactions, reducing the time for application, overcoating, and walking on it.

Colour shade deviation:

- Exposure of the chemicals may cause discolouration, which does not, however, impair the technical function of the coating.
- Slight deviations in the colour shade are possible between different batches.

Consumption, application:

- The details on consumption and application relate to horizontal surfaces.

Note:

- Moisture and contamination between the individual stages can cause disruptions in the adhesive bond. Recommendation: Take the relevant measures to prevent such disruptions.

Drying, curing, ready for next coat

Reworking time:
- at +23 °C: within 1-6 hours

Cleaning the tools

After use, clean immediately with StoDivers EV 100 or 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

transparent

Packaging

Can

Article number

Name

Container

09738-001

StoPur AP 70

24 kg can

Storage

Storage conditions

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

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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

Identification

Product group Bonding agent

GISCODE PU50

Safety

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

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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