

Technical Data Sheet



AB-PUR® 385

2-C-PU-hybrid joint sealant

Description: 2-component polyurethane joint sealant, coloured
VOC < 500 g/l

Characteristics:

- tough-hard
- self-levelling
- high chemical resistance
- high mechanical resistance
- inert and harmless once cured

Application: **AB-PUR 385** is a joint sealant for industrial floorings. **AB-PUR 385** is suitable for use on a variety of substrates e.g. concrete, cement screed, mastic asphalt (indoor), latexfalt, timber, steel, aluminium, magnesita and anhydrite / gypsum (please consult us!). The combination of high impact resistance, high compressive strength and its crack-bridging properties makes **AB-PUR 385** as economical system for use in production plants, sales areas, warehouses, exhibition halls, garages and showrooms. **AB-PUR 385** is suitable for both new construction and renovation.

Consumption: approx. 1.35 kg/m² per 1 mm

Resistant to:

- diluted acids
- diluted alkalis
- aliphatic solvents
- see list of chemicals that it is resistant to
- forklift up to 40 N/mm² (4 wheels)
- steel work platforms that vibrate

Technical Data:	Mixing ratio A : B	100 : 11.5 by weight (8.7 : 1)
	Density (23°C)	approx. 1.35 g/cm ³
	Volume solids	approx. 100 %
	Viscosity (23°C)	approx. 8000 mPa·s ± 1500
	Shore D - hardness ((DIN EN ISO 868)	approx. 38
	Elongation at break (DIN 53504)	5 - 50 % depending on quartz sand - filler
	Tensile strength (DIN EN ISO 527 at 23°C)	approx. 15 N/mm ²

Details for application:	Pot life (10°C / 23°C / 30°C)	approx. 40 minutes / 30 minutes / 20 minutes
	Substrate temperature	minimum 10°C up to maximum 30°C
	Material temperature	15°C - 25°C
	Maximum relative humidity of air	at 10°C: 75 % (dew point +3°C) at > 23°C: 85 % (dew point +3°C)
	Curing time / foot traffic (10°C / 23°C / 30°C)	24 hours / 12 hours / 8 hours
	Curing time / mech. resistance (10°C / 23°C / 30°C)	48 hours / 24 hours / 12 hours
	Curing time / chem. resistance (10°C / 23°C / 30°C)	5 days / 3 days / 2 days
	All above values are approximate and may be used as a guideline for specifications	

Packaging: 10 kg - pails

Colour: pebble grey approx. RAL 7032 (other colours are available on request)
- due to raw material variations and manufacturing techniques, a slight colour / batch difference may occur -

Storage: 6 months, unopened in original drums under dry conditions and a temperature of 15 - 25°C.
At temperatures < 15°C crystallisation is possible. Please consult us.

1. Surface preparation

Prior to the application the substrate must be prepared by mechanical means using qualified equipment e.g. Blastrac® shot blasting.

Minimum requirements:

- free of cement laitance, dust, oil, fat and other contaminants
- open textured, absorbent surface
- pull off strength min. 1.5 N/mm²
- concrete residual moisture max. 4 %

Depending on the condition of the substrate the surface must be made non-porous by the application of a primer and / or key coat using **AB-POX 002**, followed by a light sprinkle of clean, dry quartz sand.

On concrete surfaces where there is rising damp, residual moisture or damp concrete of maximum 6 %, AB-POX 010 must be used. Once cured, carefully remove excess sand.

Hard asphalt (only indoor) must be prepared by shot blasting or abrasive grinding. Minimum 50 % of the filler aggregates must be exposed.

See also "general preparation and application instructions" sheet.

2. Application

Prior to mixing, the temperature of the components must be between 15 - 25°C. Mix the components in the correct ratio using a suitable low speed electric mixer (300 - 400 rpm) for at least 3 minutes or until a completely homogeneous mixture has been achieved. Put the mixed material into a clean container and mix again for at least 1 minute more. After mixing, fillers can be added whilst stirring constantly. Pour the mixture immediately into the joints. Prior to, during and after the application the temperature of the substrate must be at least +3°C above the current dew point temperature.

AB-PUR 385 can also be applied to substrates that are at minimum temperatures +5°C, however in these conditions the consumption, application and curing will be affected in a negative manner.

3. System description

The following figures are for ambient and surface temperatures of 15 - 23°C. Both high and low temperatures will influence the filler ratio and the consumption per m².

Primer:

AB-POX 002, clear

Consumption: approx. 0.3 - 0.5 kg/m², lightly sprinkle with clean, dry, quartz sand Ø 0.4 - 0.8 mm (approx. 0.5 kg/m²).

Joint sealant:

AB-PUR 385, pebble grey

Consumption: 1.35 kg/m² per 1 mm.

N/B:

UV radiation cause discolouration.

4. Chemical resistance

Depending on the requirements we recommend to test the chemical resistance.

5. Packaging

10 kg - sets

8.97 kg component A

1.03 kg component B

6. Health and safety

GISCODE: RE30

Avoid inhalation of the vapours and contact with skin. Wear suitable protective clothing, gloves and eye / face protection. Adequate ventilation of the working area is recommended. After contact with skin, wash immediately with plenty of water and soap. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. When using do not eat, drink, smoke and keep away from sources of ignition. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Safety Data Sheet.

7. EU Directive ("Decopaint-RL"):

Acc. to the EU Directive 2004/42/EG the maximum allowed content of VOC (Product category All / j / type SB) is 500 g/l (Limit 2010) for the ready to use product. This product is in accordance with the EU Directive 2010.

AB-PUR 385; 2.00/07.01.19. Before use, please check that this is the actual edition of the Technical Data Sheet. The information contained in this Technical Data Sheet is of a general nature and is provided in good faith and we accept no liability for errors or omissions. Because use and application of this product are out of our control and depend, concerning substrate, load and method of application, on the particularities of the individual case, our advice, verbal, written or based on tests, does not exempt the applicator from testing the suitability of the products for the intended use.

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