

Technical Data Sheet



AB-PUR® 351

2-C-PU-intermediate / connection coat

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

- Characteristics:**
- tough-elastic
 - intermediate / connection coat on **AB-PUR 550** in accordance with ZTV-BEL-B 3/95
 - self-levelling
 - up to 80 % natural / renewable raw materials
 - high chemical resistance
 - very high mechanical resistance
 - inert and harmless once cured

Application: **AB-PUR 351** is used as a **connecting coat** on **AB-POX** primed surfaces which have been protected with **AB-PUR 550** as waterproofing. **AB-PUR 351** is highly suitable to provide an excellent connection between the waterproofing membrane and the bituminous wearing layer / overlay in accordance with ZTV-BEL-B 3/95.

Consumption: 1.3 - 2.0 kg/m² per coat, depending on use and application.

- Resistant to:**
- see list of chemicals that it is resistant to
 - salt water / sewage
 - diluted acids
 - diluted alkalis
 - lubricating oil / fuels
 - mastic asphalt up to +250°C

Technical Data:	Mixing ratio A : B	100 : 16.6 by weight (6 : 1)
	Density (23°C)	approx. 1.50 g/cm ³
	Volume solids	approx. 100 %
	Viscosity (23°C)	approx. 2600 mPa·s ± 500
	Elongation at break (DIN 53504)	30 - 100 % depending on broadcast

Details for application:	Pot life (10°C / 23°C / 30°C)	approx. 40 minutes / 30 minutes / 20 minutes
	Substrate temperature	minimum 8°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 / 16 hours / 8 hours
	Curing time / mech. resistance (10°C / 23°C / 30°C)	72 hours / 48 hours / 24 hours
	Curing time / chem. resistance (10°C / 23°C / 30°C)	7 days / 3 days / 2 days
	All above values are approximate and may be used as a guideline for specifications	

Packaging: 30 kg - pails

Colour: stone grey approx. RAL 7030
- due to raw material variations and manufacturing techniques, a slight colour / batch difference may occur -

Storage: 12 months, unopened in original drums under dry conditions and a temperature of 15 - 25°C.
At temperatures < 10°C crystallisation is possible. Please consult us.

1. Surface preparation

Prior to the application the **AB-PUR 550** spray elastomeric surface must be clean, dry and free of oil, fat and other contaminants. Ensure that **AB-PUR 351** is applied during the time indicated. If not, then the primer **AB-PUR 095** must be used.

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. Distribute the mixture immediately onto the surface. To apply use a notched trowel (rubber or metal). Spread **AB-PUR 351** as an even coat ensuring uniform thickness. 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 351 can also be applied to substrates that are at minimum temperatures +8°C, however in these conditions the consumption, application and curing will be affected in a negative manner.

3. System acc. to ZTV-BEL-B 3/95

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 for concrete:

AB-POX 086, clear

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

Key coat for concrete:

AB-POX 086 + quartz sand

Consumption: approx. 0.6 kg/m² resin plus quartz sand, lightly sprinkle with clean, dry quartz sand Ø 0.4 - 0.8 mm (approx. 0.5 kg/m²).

Adhesion primer to the insulation:

AB-PUR 094, clear

Consumption: approx. 0.08 - 0.1 kg/m².

Waterproofing (minimum 2 mm):

AB-PUR 550, grey

Consumption: approx. 2 - 3 kg/m².

Intermediate / connection coat:

AB-PUR 351, stone grey

Consumption: approx. 1.3 - 2.0 kg/m², lightly sprinkle with Mandurax 2 - 3 mm (approx. 0.8 kg/m²).

Adhesion primer to the mastic asphalt:

AB-PUR 096, black

Consumption: approx. 0.1 kg/m².

Wear-resistant layer:

Mastic asphalt (acc. to the guidelines)

N/B:

UV radiation cause discolouration.

4. Chemical resistance

Ammonia 5 %	resistant
Citric acid < 10 %	resistant
Diesel	resistant
Disinfectants	resistant
Engine oil	resistant
Hydrochloric acid 10 %	resistant
Mastic asphalt 250°C	resistant
Nitric acid 10 %	resistant
Petrol	short-term
Phosphoric acid 25 %	resistant
Salt water	resistant
Sewage	resistant
Sulphuric acid 40 %	resistant

Tested for 3 months at 20°C; whether discolouration did occur was not considered.

5. Packaging

30 kg - sets

25.7 kg component A

4.3 kg component B

6. Health and safety

GISCODE: PU40

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 351; 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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