

# Technical Data Sheet



## AB-PUR® 751

2-C-PU-UV-topcoat, coloured

**Description:** 2-component polyurethane topcoat / sealer, coloured  
VOC < 500 g/l, low solvent content

- Characteristics:**
- elastic
  - UV - resistant
  - high weather resistance
  - good coverage / high pigment content
  - suitable for outdoor use
  - high abrasion resistance
  - easy to apply
  - silk matt finish
  - inert and harmless once cured

**Application:** **AB-PUR 751** is an **elastic**, abrasion, chemical, UV- and weather resistant topcoat / sealer which is designed for use on **AB-PUR-** and **AB-UCOAT- spray elastomeric systems**. With **AB-PUR 751** the protection of the elastomeric system against slight weather degradation is vastly enhanced. Depending on the application, **AB-PUR 751** may be broadcast with slate (grit) over the top to create an anti-slip surface.

**Consumption:** approx. 0.12 - 0.2 kg/m<sup>2</sup>, depending on colour and use (1 - 2 x).

- Resistant to:**
- diluted acids and alkalis
  - saline solutions
  - solvents (please consult us)
  - common industrial air pollution

<b>Technical Data:</b>	Mixing ratio A : B	100 : 20 by weight (5 : 1)
	Density (23°C)	approx. 1.30 g/cm <sup>3</sup>
	Volume solids	approx. 50 %
	Viscosity (23°C)	approx. 250 mPa·s ± 100
	Abrasion (1000 g / 1000 U) acc. to Taber	20 mg (on spray elastomerics)

<b>Details for application:</b>	Pot life (12°C / 23°C / 30°C)	approx. 60 minutes / 45 minutes / 30 minutes
	Substrate temperature	minimum 5°C up to maximum 30°C
	Material temperature	15°C - 25°C
	Maximum relative humidity of air	at 12°C: 75 % (dew point +3°C) at > 23°C: 85 % (dew point +3°C)
	Duration between applications (should the duration between coats be too soon, curing of the subsequent coat will be affected)	12°C: min. 36 hours max. 48 hours 23°C: min. 24 hours max. 36 hours 30°C: min. 16 hours max. 36 hours
	Curing time / foot traffic (12°C / 23°C / 30°C)	36 hours / 24 hours / 16 hours
	Curing time / mech. resistance (12°C / 23°C / 30°C)	96 hours / 48 hours / 48 hours
	Curing time / chem. resistance (12°C / 23°C / 30°C)	7 days / 5 days / 4 days
	All above values are approximate and may be used as a guideline for specifications	

**Packaging:** 12 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:** 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

The surface that is to be sealed must be in a sound condition and of good quality in general. The spray elastomeric must have sufficiently cured to accept foot traffic. The surface must be clean, dry and free of oil, fat and other contaminants.

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. Distribute the material immediately onto the surface. To spread **AB-PUR 751** as an even coat use a rubber squeegee. To attain an acceptable finish use a suitable short-haired paint-roller (nylon, 6 - 8 mm). Avoid overlapping where possible. Only the use of a paint-roller may lead to a finish that has shadows; this is normally due to an uneven thickness (WFT). Should the application for any reason be interrupted, tape the edges of the applied material. After approx. 1 hour remove the tape, you will notice that a well defined seam has been created. Prior to, during and after the application the temperature of the substrate must be at least +3°C above the current dew point temperature.

## 3. System description

The following figures are for ambient and surface temperatures of 15 - 23°C. Both high and low temperatures will influence the consumption per m<sup>2</sup>.

UV - topcoat:

**AB-PUR 751**, pebble grey

Consumption: approx. 0.12 - 0.2 kg/m<sup>2</sup>.

Depending on the use, the surface may be broadcast with e.g. slate (grit) or ceramic granules.

**N/B:**

Should **AB-PUR 751** be used as a protective coating on elastomeric systems that have been applied in areas that are constantly wet, we advise the use of **AB-PUR 095** as adhesion primer.

## 4. Chemical resistance

Acetic acid 5 %	resistant
Ammonia 5 %	resistant
Citric acid < 10 %	resistant
Distilled water	resistant
Formic acid 2 %	resistant
Hydrochloric acid 10 %	resistant
Nitric acid 10 %	resistant
Phosphoric acid 25 %	resistant
Saline solution	resistant
Sulphuric acid 20 %	resistant
Water / sewage	resistant

Tested on EP- and PUR- coatings, because there is a direct correlation between the topcoat thickness, and the chemical resistance of the coating layer. Whether discolouration did occur was not considered.

## 5. Packaging

12 kg - sets

10 kg component A

2 kg component B

## 6. Health and safety

**GISCODE: PU50**

**AB-PUR 751** contains solvents. Should there be insufficient ventilation, wear suitable respiratory equipment. 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 751**; 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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