

## Technical Data Sheet



## AB-PUR<sup>®</sup> 725

2-C-PU-topcoat, clear, glossy

**Description:** 2-component polyurethane topcoat, colourless  
VOC < 500 g/l, contains solvents

- Characteristics:**
- tough-hard
  - UV - resistant
  - resistant to most tyre marks (rubber wheels)
  - suitable for indoor and outdoor use
  - high abrasion resistance
  - easy to apply
  - glossy finish
  - inert and harmless once cured

**Application:** **AB-PUR 725** is a tough-hard topcoat that is clear and has an aesthetic glossy finish. This solvent-based polyurethane topcoat is preferably for use as topcoat on decorative floors with coloured flakes or coloured quartz sand that were carried out with the tough-hard **AB-PUR**- and **AB-ZEROPUR**- or the hard **AB-POX**- and **AB-ZEROPOX** - coatings. Aliphatic polyurethanes are well known for their excellent chemical and abrasion resistance; also with them you can achieve a highly aesthetic **glossy** finish on most **ABP** - systems. The coated areas are easy to clean.

Due to the special formulation **AB-PUR 725** is relatively insensitive to tyre marks (rubber wheels or chemical softeners etc.). Please consult us.

**Consumption:** approx. 80 - 120 g/m<sup>2</sup>.

- Resistant to:**
- diluted acids and alkalis
  - saline solutions
  - wet temperature max. 40°C
  - solvents (please consult us)
  - lubricants and fuels
  - dry temperature short-term 80°C

**Technical Data:**

Mixing ratio A : B	100 : 50 by weight (2 : 1)
Density (23°C)	approx. 1.00 g/cm <sup>3</sup>
Volume solids	approx. 60 %
Viscosity (23°C)	approx. 200 mPa·s ± 100
Abrasion (1000 g / 1000 rev.) acc. to Taber	40 mg

**Details for application:**

Pot life (12°C / 23°C / 30°C)	approx. 60 minutes / 45 minutes / 30 minutes
Substrate temperature	minimum 12°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. 48 hours max. 72 hours 23°C: min. 16 hours max. 48 hours 30°C: min. 8 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:** 10 kg - pails

**Colour:** clear

**Storage:** 12 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

The surface that is to be sealed must be in a sound condition and of good quality in general. The self-levelling coating 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 mixture immediately onto the surface. To spread **AB-PUR 725** 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>.

### Topcoat:

**AB-PUR 725**, clear

Consumption: approx. 80 - 120 g/m<sup>2</sup>.

If a slight anti-slip finish is required we propose that surface is coated with **AB-PUR 725**, this will seal it. To follow, using compressed air; spray **AB-SG 1922** into the coating. Finish using a short-haired paint-roller. If decorative PVA - flakes are spread over the coating there will be a slight increase in consumption.

**Professional maintenance will increase the service life of the flooring system.**

### N/B:

Mechanical wear and tear can affect the aesthetic quality of the surface (pale scratch marks). In time the surface will become marked.

## 4. Chemical resistance

Acetic acid 5 %	resistant
Acetic acid 10 %	short-term
Ammonia 5 %	resistant
Boric acid 4 %	resistant
Citric acid < 10 %	resistant
Distilled water	resistant
Formaldehyde 37 %	resistant
Formic acid 2 %	resistant
Formic acid 5 %	short-term
Hydrochloric acid 10 %	resistant
Hydrochloric acid 30 %	short-term
Lactic acid 10 %	resistant
Methylene chloride	short-term
Nitric acid 10 %	resistant
Petrol / Super	resistant
Phosphoric acid 25 %	resistant
Saline solution	resistant
Sodium lye 50 %	resistant
Sulphuric acid 40 %	short-term
Tannic acid solution	resistant
Xylene	short-term

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

10 kg - sets

6.67 kg component A

3.33 kg component B

## 6. Health and safety

### GISCODE: PU50

**AB-PUR 725** 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 725**; 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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