

# Technical Data Sheet



## AB-PUR® 730 N 2-C-PU-clear coat, clear, glossy

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

- Characteristics:**
- tough-hard and elastic
  - UV - resistant
  - foot traffic after 5 hours
  - glossy finish
  - suitable for outdoor use
  - high abrasion resistance
  - resistant to organic dyes / colourants
  - inert and harmless once cured

**Application:** **AB-PUR 730 N** is used as a topcoat in conjunction with **AB-PUR 380** as part of the **ABP - balcony-system**. Please request more detailed information. As opposed to the 1-component elastic coatings such as **AB-PUR 210**, **AB-PUR 730 N** provides a high resistance to organic dyes e.g. leaves, foliage, flowers and mould fungus. **AB-PUR 730 N** cures at temperatures as low as +1°C and a relative humidity of 90 %.

**AB-PUR 730 N** is not suitable for use in swimming pools, but can be used in the surrounding splash water and walking area.

**Consumption:** 200 - maximum 500 g/m<sup>2</sup>, per coat (solvent retention).  
The second coat must be applied within maximum 12 hours.

- Resistant to:**
- water / saline solutions
  - diluted acids and alkalis
  - detergents

<b>Technical Data:</b>	Mixing ratio A : B	100 : 12 by weight (8.33 : 1)
	Density (23°C)	approx. 1.05 g/cm <sup>3</sup>
	Volume solids	approx. 60 %
	Viscosity (23°C)	approx. 500 mPa·s ± 100

<b>Details for application:</b>	Pot life (8°C / 23°C / 30°C)	approx. 2 hours
	Substrate temperature	minimum 8°C up to maximum 30°C
	Material temperature	15°C - 25°C
	Minimum relative humidity	40 % (dew point +3°C)
	Maximum relative humidity	90 % (dew point +3°C)
	Duration between coats (should the duration between coats be too soon, curing of the subsequent coat will be affected)	8°C: min. 12 hours max. 12 hours 23°C: min. 5 hours max. 8 hours 30°C: min. 3 hours max. 6 hours
	Curing time / foot traffic (8°C / 23°C / 30°C)	12 hours / 5 hours / 3 hours
	Curing time / mech. resistance (8°C / 23°C / 30°C)	24 hours / 12 hours / 12 hours
	Curing time / chem. resistance (8°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:** 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

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 730 N** 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 filler ratio and the consumption per m<sup>2</sup>.

### Balconies and terraces:

#### Primer:

**AB-POX 010**, clear

Consumption: approx. 0.4 - 0.5 kg/m<sup>2</sup>, lightly sprinkle with clean, dry quartz sand Ø 0.4 - 0.8 mm (approx. 0.5 kg/m<sup>2</sup>).

#### Key coat:

**AB-POX 010** + quartz sand

Consumption: approx. 0.6 kg/m<sup>2</sup> resin plus quartz sand, lightly sprinkle with clean, dry quartz sand Ø 0.4 - 0.8 mm (approx. 0.5 kg/m<sup>2</sup>).

#### Self-levelling coating:

**AB-PUR 380**, pebble grey

Consumption: approx. 2.5 - 3.5 kg/m<sup>2</sup>, broadcast in excess with suitable coloured micro-flakes (1 mm).

Consumption: approx. 0.8 kg/m<sup>2</sup>.

Once cured, remove the excess flakes and carefully abrade the surface using a grinder that is equipped with a carborundum paper disc. Afterwards, thoroughly clean the surface with an industrial vacuum cleaner.

#### Topcoat (after approx. 16 hours):

**AB-PUR 730 N**, clear

Consumption: 0.2 - max. 0.5 kg/m<sup>2</sup>.

System thickness: approx. 2.5 - 3 mm.

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

## 4. Chemical resistance

Ammonia 5 %	resistant
Apple juice	resistant
Beer	resistant
Citric acid < 10 %	resistant
Coffee	resistant
Diesel	resistant
Disinfectants	short-term
Engine oil	short-term
Hydrochloric acid 10 %	short-term
Phosphoric acid 25 %	resistant
Salt water / water	resistant
Sewage	resistant
Wine / red wine	resistant

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

## 5. Packaging

10 kg - sets

8.93 kg component A

1.07 kg component B

## 6. Health and safety

### GISCODE: PU50

**AB-PUR 730 N** 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 Material 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 730 N**; 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.

### AB-Polymerchemie GmbH

Tjüchkampstraße 21 - 24  
D - 26605 Aurich

Tel.: +49 (0)4941 - 604360

Fax.: +49 (0)4941 - 6043643

info@ab-polymerchemie.de

www.ab-polymerchemie.de