

PU7180 SEALER

PRODUCT DESCRIPTION

Arturo PU7180 Sealer is a transparent, 1-component, solvent-free sealer based on polyurethane resin.

AREA OF APPLICATION***

It is suitable as a transparent, very durable sealer with low discolouration for, for example, Arturo mortar floors, coatings and self-smoothing floors. Arturo PU7180 Sealer is particularly suitable as a finish for:

- ▶ Arturo PU2060 Self-smoothing floor
- ▶ Arturo PU2030 Self-smoothing floor
- ▶ Arturo PU2035 Self-smoothing floor

For sealing other surfaces, please contact our Technical Department.

PRODUCT FEATURES/BENEFITS

- ▶ Gloss finish
- ▶ Solvent-free
- ▶ High abrasion resistance
- ▶ Dust-free and easy to clean
- ▶ Good resistance to chemicals

TEST/APPROVAL

- ▶ Testing on chemical resistance in accordance with DIN EN ISO 2812-3.
- ▶ Tested according to AgBB within several Arturo PU-based flooring systems. Fitted with DIBt Gutachten (see paragraph "DIBt Gutachten").
- ▶ Classification and testing of the fire resistance according to BS EN 13501-1 within several Arturo flooring systems.



PRODUCT DATA

Packaging size	5 kg
Shelf life	Approx. 12 months from the date of production.
Colour	Transparent

TECHNICAL DATA

Density	Approx. 1.10 kg/dm ³
Consumption	Max. 100 g/m ² per layer
Dust-dry	After approx. 6 hours*
Ready for foot traffic	After approx. 16 hours*
Recoatable	In max. 24 hours*
Full mechanical resilience	After 3 days*
Chemically resistant	After 7 days*
Layer thickness	Approx. 80 - 100 µm
Frost resistance	Yes**
Solids content	100%
Viscosity (23°C)	Approx. 1300 mPa·s
Abrasion resistance Taber (7d/21°C/60% r.h.)	5 mg (CS10/1000U/1000g)



Slip-resistant option



Impermeable



Low maintenance and maintenance friendly



No seams



Good resistance to chemicals



UV-stable



Hard-wearing and good scratch resistance



Low-emission



Classification of fire resistance

SUBFLOOR

The Arturo resin floor must be firm and able to bear sufficient loads. It must be free of grease, oil and non-adherent components. It must also be free of any layers or contaminants that could reduce the adhesion.

SUBFLOOR PREPARATION

The floor surface or Arturo coatings and/or self-smoothings must be fully cured (tack-free) and suitable for foot traffic. The coatings and/or self-smoothings must be sealed within 24 hours. For optimum adhesion we always recommend that you lightly sand the surface and then remove all dust. This is essential in situations where further work cannot be undertaken within 24 hours.

PROCESSING CONDITIONS

Minimum temperature of the subfloor: + 10°C and + 3°C above the dew point.

Room/processing temperature:

- ▶ Min: + 15°C
- ▶ Max: + 30°C
- ▶ Optimum: + 20°C

Minimum relative humidity: 40%

Maximum relative humidity: 80%

These conditions must be observed while processing as well as curing.

The processing of waterborne coating/sealers systems requires suitable ventilation and temperature. Draughts must be avoided. Too high humidity and draughts can adversely affect the curing, degree of gloss and the structure of the cured material.

(In general, higher temperatures shorten the pot life, whilst lower temperatures prolong the curing).

PROCESSING INSTRUCTIONS

Before use, thoroughly mix the material (ca. 300 - 400 rotations/min) for ca. 2 minutes. Apply to the floor edges using a brush and immediately roll with a 10 cm wide nylon roller (14 mm pile height). Then apply a thin, even layer of the material to the rest of the surface using a 25 cm wide nylon roller (14 mm pile height). Ensure a closed layer is formed (max. 100 g/m²). Then roll again with a 50 cm wide nylon roller (14 mm pile height). Always use clean and dry new rollers. Regularly change the nylon roller and after an interruption to the work always use a new roller. If rollers other than those indicated are used, there may be optical impairment of the final result. Important information: Opened containers must not be exposed to unnecessary air (humidity) otherwise there may be partial reaction of the product. Use material in opened containers as quickly as possible. Do not keep residues in containers.

Anti-slip version:

Before use, thoroughly mix the material (ca. 300 - 400 rotations/min) for ca. 2 minutes. Then add the anti-slip granules and mix the material again (mixing time ca. 2 minutes). Apply to the floor edges using a brush and immediately roll

with a 10 cm wide nylon roller (14 mm pile height). Then apply a thin, even layer of the material to the rest of the surface using a 25 cm wide nylon roller (14 mm pile height). Ensure a closed layer is formed (max. 100 g/m²). Then roll again with a 50 cm wide nylon roller (14 mm pile height). Always use clean and dry new rollers. Regularly change the nylon roller and after an interruption to the work always use a new roller. If rollers other than those indicated are used, there may be optical impairment of the final result. Important information: Opened containers must not be exposed to unnecessary air (humidity) otherwise there may be partial reaction of the product. Use material in opened containers as quickly as possible. Do not keep residues in containers.

Important:

Apply the Arturo PU7180 Sealer with a maximum of 100 gr/m² on the floor. A difference in layer thickness is directly visible. Pay attention to climatic conditions while curing. Following circumstances must be excluded:

- ▶ draft along doors and windows
- ▶ draft by air-conditioner
- ▶ strong rise or strong drop of the relative humidity

Attention:

The processing of waterborne sealer systems requires suitable ventilation and temperature. Draughts must be avoided. Too high humidity and draughts can adversely affect the curing, degree of gloss and the structure of the cured material. In general, higher temperatures and low humidity shorten the pot life, whilst lower temperatures and high prolong the curing.

Batch:

Always use the same batch of product (same batch number) for a particular surface.

Tips for castors on chairs (BS EN 12529):

For long-term protection of the coating, chairs should have type W castors. We also recommend using transparent polycarbonate protective mats for chairs.

DIBT GUTACHTEN

DIBt Gutachten Nr. G-156-19-0005 for the assessment of compliance with the construction requirements with regard to health protection (ABG) according MVVTB 2019/1, attachment 8, when installing the flooring systems "Arturo PU".

SHELF LIFE

The component must be acclimatised in the working area prior to use for at least 24 hours. Store under dry, cool and frost-free conditions in the original, sealed containers.

CLEANING

Use Arturo Cleaning Cloths from Uzin Utz Nederland bv for fresh contaminations.

EU-REGULATION 2004/42

In accordance with EU Regulation 2004/42 the maximum permitted concentration of VOCs (product category IIA/j, type wb) is 500 g/l in the ready-to-use state (version 2010). The VOC content of Arturo PU7180 in the ready-to-use state is < 500 g/l.

DATA SOURCES

All technical data, measurements, etc. given on this data sheet are based on laboratory tests. Due to practical circumstances beyond our control, actual data may deviate from the indicated values.

DISCLAIMER

The information on this product sheet concerning the processing and application of this product is based on our experience with the product under standard conditions and with correct product storage and use. In practice, differences between equipment, subfloors and working conditions mean that no guarantee for a specific work result nor any liability, arising out of any legal relationship whatsoever, can be inferred either from the information on this data sheet or from any verbal advice given, unless caused by intent or gross negligence on our part. In this case the user must demonstrate that he has promptly forwarded to us in writing all necessary information for proper and effective evaluation of the circumstances. Users must test the products to check whether they are suitable for the intended application. We reserve the right to amend the information on technical data sheets. The intellectual property rights of third parties must be heeded. The most recent technical data sheet always applies. This can be requested from us or downloaded from www.arturoflooring.com. Our general terms and conditions of sale and delivery also apply.

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

Solvent-free. Non flammable. Contains isocyanate. Irritating. Harmful if inhaled. May cause sensitisation by inhalation and skin contact. Provide good ventilation. Use barrier cream, protective gloves and safety-goggles. 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. Observe safety information on product label as well as safety data sheet. Once cured, has a neutral odour and presents no physiological or ecological risk.

DISPOSAL

Where possible, collect product residues and re-use. Do not allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as Construction Waste. Therefore collect waste material, mix both components and allow to harden, then dispose as Construction Waste.

* At 20°C, 65% relative humidity.

** Avoid large temperature fluctuations and differences, this can lead to a temperature shock which has a negative influence on the final result.

*** For recreation rooms systems with AgBB certification must be used.