

PU7750 SEALER

PRODUCT DESCRIPTION

Arturo PU7750 Sealer is a transparent, UV-stable, waterborne, ca. 90 µm thick, 2-component sealer based on polyurethane resin with dull matt finish (2-C, PU)

AREA OF APPLICATION***

It is suitable as a transparent, dull matt, durable sealer with low discolouration for, for example, Arturo self-smoothing floors and coatings.

Arturo PU7750 sealer is especially suitable as a sealer for:

- ▶ Arturo EP2500 Self-smoothing Floor
- ▶ Arturo PU2060 Self-smoothing Floor
- ▶ Arturo PU2030 Self-smoothing Floor
- ▶ Arturo PU2035 Self-smoothing Floor
- ▶ Arturo EP3900 Floor Coating
- ▶ Arturo EP3600 Floor Coating
- ▶ Arturo EP3950 Floor Coating
- ▶ Arturo PU7900 Sealer
- ▶ Arturo PU7975 Sealer

For sealing other surfaces, please contact our Technical Department.

PRODUCT FEATURES/BENEFITS

- ▶ Dull matt
- ▶ Low discolouration
- ▶ Easy to apply
- ▶ Abrasion resistance
- ▶ Good resistance to chemicals
- ▶ Solvent-free
- ▶ Contains water
- ▶ Not plasticiser-resistant

TEST/APPROVAL

- ▶ Tested according to AgBB within several Arturo PU-based flooring systems.
- ▶ Classification and testing of the fire resistance according to BS EN 13501-1 within several Arturo flooring systems.
- ▶ Testing on the abrasion resistance according to Taber.
- ▶ Testing on chemical resistance in accordance with DIN EN ISO 2812-3.
- ▶ Anti-slip properties in accordance with DIN 51130 and BGR 18: R10. Available on request.
- ▶ Tested according to AgBB within several Arturo PU/EP-based flooring systems.(see paragraph "DIBt Gutachten")



PRODUCT DATA

Packaging size	Set: A + B = 5 kg: A = 4,00 kg B = 1,00 kg
	Set: A + B = 10 kg: A = 8,00 kg B = 2,00 kg
Shelf life	Approx. 12 months from the date of production
Colour	Transparent

TECHNICAL DATA

Density	Approx. 1.07 kg/dm³
Consumption	Approx. 100 g/m² per layer
Mixing ratio	80.0 part by weight comp. A 20.0 part by weight comp. B
Pot life	Approx. 60 minutes*
Dust-dry	After approx. 90 minutes*
Ready for foot traffic	After approx. 16 hours*
Recoatable	In max. 24 hours* (after 24 hours the surface must be sanded and then all dust removed).
Full mechanical resilience	After 3 days*
Chemically resistant	After 7 days*
Layer thickness	Approx. 40 µm
Frost resistance	No
Solids content	42%
Viscosity (23°C)	Approx. 110 mPa·s
Abrasion resistance Taber (7d/21°C/60% r.h.)	23 mg (CS-10/1000U/1000g)



Slip-resistant option



Classification of fire resistance



UV-stable



Hard-wearing and good scratch resistance



Good resistance to chemicals



Low-emission

SUBFLOOR

The subfloor must be firm, able to bear sufficient loads and have adequate grip. 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. (Compressive strength at least 25 MPa (N/mm²), average tensile strength >1.5 MPa (N/mm²), smallest single value > 1.0 MPa (N/mm²)).

Prior to work, the subfloor must be adequately dry:

SUBFLOOR PREPARATION

The floor surface or Arturo coatings and/or self-smoothings must be fully cured (tack-free) and suitable for foot traffic. If you have doubts about whether Arturo PU7750 sealer will adhere to the surface, do a trial on a small area. The coatings and/or self-smoothings must be sealed within 24 hours. For optimum adhesion we always recommend that you lightly sand the surface. 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

Maximum relative humidity: 75%

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

Stir component A thoroughly. Add component B (be sure to add all the packaging contents) and mix for at least 3 minutes with an electrical mixer (speed ca. 300 – 400 rpm). Then transfer to a clean bucket and mix thoroughly once again for 1 minute. Apply to the floor edges using a brush and immediately roll with a 10 cm wide lambskin 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 lambskin roller (14 mm pile height). Ensure a closed layer is formed (max. 100 g/m²). Then roll again with a 50 cm wide lambskin roller (14 mm pile height). Always use clean and dry new rollers. Regularly change the lambskin roller and after an interruption to the work always use a new roller.

Always apply 2 layers. The second layer should be applied within 24 hours after the first layer has been applied. If rollers other than those indicated are used, there may be

optical impairment of the final result. Important information: Always use the same batch of product (same batch number) for a particular surface.

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.

At high ambient temperatures (of ± 23 degrees) and low rel. humidity (under ± 50%) add 5% water.

Batches

We hence recommend using products with the same batch for coating a floor. The batch number of a product is shown on the packaging.

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.

Abrasive stress can lead to scratching of the coating. We hence recommend specifying clean walking zones to minimise sand and dirt ingress.

DIBT GUTACHTEN

DIBt Gutachten Nr. G-156-19-0005/ G-156-19-0007 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/EP"

SHELF LIFE

The two components 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 140 g/l in the ready-to-use state (version 2010). The VOC content of Arturo PU7750 in the ready-to-use state is < 140 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.

DISPOSAL

Where possible, collect product residues and re-use. Do not empty into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Liquid residues as well as containers with liquid residues are special waste, those with mixed and cured residues are Construction Waste. Therefore collect waste material, mix both components, 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.