EP7610 SEALER

PRODUCT DESCRIPTION

Arturo EP7610 Sealer is a transparent, waterborne, 2-component sealer based on epoxy with extra matt finish (2-C, EP)

AREA OF APPLICATION***

Suitable as a transparent, durable, wear-resistant finish on Arturo EP Self-smoothing Floors, Arturo Resin Screeds as well as Arturo Sealers and Arturo Coatings. Arturo EP7610 is suitable on floors that are exposed to light and medium loads, for example for:

- Arturo EP2500 Self-smoothing Floor
- Arturo EP1000/EP1200/EP1250 Resin Screed
- Arturo EP3900/EP3910 Coating
- Arturo EP3010/EP3950 Sealer
- Arturo EP3020 Coating

Also applicable on a mineral subfloor.

PRODUCTFEATURES/BENEFITS

- Extra matt
- Open to diffusion
- Durable
- Abrasion resistance
- Good resistance to chemicals
- Easy to apply and clean
- Anti-slip systems available

TEST/APPROVAL

- Anti-slip properties in accordance with DIN 51130 and BGR 18: R10. Available on request.
- Classification and testing of the fire resistance according to BS EN 13501-1 within several Arturo flooring systems.
- Testing of the water vapour permeability in accordance with DIN 53122 Past 1.
- Testing on chemical resistance in accordance with DIN EN ISO 2812-3.
- Tested according to AgBB within several Arturo PU/EP-based flooring systems. (see paragraph "DIBt Gutachten")

PRODUCT DATA

Packaging size	Set: A + B = 4 kg: A = 2,94 kg B = 1,06 kg Set: A + B = 10 kg: A = 7,36 kg B = 2,64 kg
Shelf life	Approx. 6 months from the date of production.
Colour	Transparent

TECHNICAL DATA

Density	Approx. 1.09 kg/dm³
Consumption	As final sealing on epoxy subfloors: approx. 100 - 120 g/m² per layer On mineral subfloors: Layer 1: approx. 150 - 200 g/m² Layer 2: approx. 100 - 150 g/m² Depending on subfloor.
Mixing ratio	73.5 part by weight comp. A 26.5 part by weight comp. B
Pot life	Approx. 30 minutes*
Dust-dry	After approx. 8 hours*
Ready for foot traffic	After approx. 16 hours*
Recoatable	In 16 to max. 24 hours
Full mechanical resilience	After 3 days*
Chemically resistant	After 7 days*
Water quantity	First and second layer: 10% First layer on mineral surfaces: 15%
Layer thickness	Approx. 57 µm
Frost resistance	No
Solids content	52%
Viscosity (23°C)	220 mPa·s
Adhesion strength	> 1,5 N/mm² (depending on the adhesion strength of the substrate)

Slip-resistant option | Food-safe | Impermeable | Low maintenance and maintenance friendly | Good resistance to chemicals | Hard-wearing and good scratch resistance | Classification of fire resistance | Open to diffusion | Universal use

EP7610 SEALER

SUBFLOOR

When applied to resin flooring

The Arturo subfloor must be walkable, dry, clean and free of non-adherent components. The subfloor may not be older than 24 hours. If it is older the floor needs to be sanded lightly before applying the sealer. After that remove dust from the surface.

For other surfaces and applications, please consult your technical sales manager.

When applied to a mineral 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)).

These cementitious and gypsum-based substrates must be at least 28 days old.

Prior to work, the subfloor must be adequately dry:

- Cement screed subfloors ≤ 5 CM%
- Anhydrite: ≤ 0,3 CM%.
- Concrete class > B35: ≤ 3 CM%.
- Concrete class < B35: ≤ 5 CM%.

For Sweden and the UK, below 75% r.h.

The appropriate cement- and gypsum-based (UZIN) levelling compound must be applied in accordance with the processing instructions in the documentation.

For other surfaces and applications, please consult your technical sales manager.

Attention: stratches and unevenness still remain visible.

SUBFLOOR PREPARATION

Remove non-adherent layers and contaminants by suitable mechanical means (e.g. shot blasting, milling or sanding). Then remove all dust using an industrial vacuum cleaner. Larger repairs and the filling of gaps, holes and other unevenness must be carried out with Arturo EP1500 repair mortar or EP6200 scratch coat.

PROCESSING CONDITIONS

Minimum subfloor temperature: + 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: 75%

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

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.

PROCESSING INSTRUCTIONS

Stir component A thoroughly. Add component B and mix for at least 3 minutes with an electrical mixer (speed ca. 300 – 400 rpm). Add water and mix again. Then transfer to a clean bucket and mix thoroughly once again for 1 minute.

Apply to the floor edges using a brush and then immediately roll with a 10 cm wide nylon roller (14 mm pile height). Apply the material thinly and evenly with a saturated 25 cm wide nylon roller (14 mm pile height) working cross-wise to get a closed layer over the whole surface. Roll the surface again using a 50 cm wide nylon roller (14 mm pile height), lightly wetted with material, in only one direction and without applying pressure. Roll cross-wise to the already applied material. Regularly change the nylon roller and after an interruption to the work always use a new roller. After 16-24 hours apply the second layer for higher mechanical loads in exactly the same way as the first layer. The risk of these products creating unsightly roller marks and lines is inherent to these products, so we can not fully rule this out. Following our guidelines will however, leave this risk to a minimum.

Anti-slip variants

The anti-slip variant must always be applied in two layers, with anti-slip particles added to the first layer. The second layer is applied without anti-slip particles. The processing procedure is the same as for applying the sealant without anti-slip particles.

Apply two layers:

- For higher mechanical loads
- For anti-slip variant
- When applied to a mineral subfloor
  Attention: Scratches and irregularities in the subfloor still remain visible.
  Processing: Add 15% water to applied on a mineral subfloor for the first layer and 10% water for the second layer.

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 products from the same batch. The batch no. is named on the packaging.

DIBT GUTACHTEN

DIBt Gutachten Nr. G-156-19-0005/156-19-0007 zur Beurteilung der Einhaltung der Bauwerksanforderungen bezüglich des Gesundheitsschutzes (ABG) gemäß MVVTB 2019/1, Anhang 8, bei Einbau der Bodenbeschichtungs-systeme “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 EP7610 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.

PROTECTION OF THE WORKPLACE AND ENVIRONMENT

Solvent-free. Not flammable. Comp. A: Contains amine hardener/corrosive. Comp. B: Contains epoxy resin/irritant. Both components: May cause irritations or burns to eyes, skin or respiratory system. May cause sensitisation by skin contact. 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. Use barrier cream, protective gloves and safety-goggles. In liquid form, ”hazardous to the environment”, therefore do not allow into drains, water courses or landfill. Observe safety information on product label as well as safety data sheet. Once cured, has 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.