

PAS7790 SEALER

PRODUCT DESCRIPTION

Arturo PAS7790 Sealer is a 2-component, solvent-free, fasthardening, glossy 2-layer floor coating based on aspartic acid ester.

AREA OF APPLICATION***

It is suitable for interior and exterior use as a durable, seamless Sealer for cement and gypsum based subfloors. Arturo PAS7790 Sealer is especially suitable as a coating on floors that are exposed to light and medium loads, for example for:

- ▶ Balconies/loggias
- ▶ Storage areas
- ▶ Car dealerships
- ▶ Private garages
- ▶ Arcades
- ▶ Stairways

PRODUCT FEATURES/BENEFITS

- ▶ Seamless
- ▶ Impermeable to liquids
- ▶ Easy to clean
- ▶ Solvent-free and low odour
- ▶ High abrasion resistance
- ▶ Good resistance to chemicals
- ▶ Free of nonylphenol
- ▶ Fast-drying
- ▶ High UV stability
- ▶ Resistance against plasticisers and antioxidants

TEST/APPROVAL

- ▶ Testing on the abrasion resistance according to Taber.
- ▶ Anti-slip properties in accordance with DIN 51130 and BGR 181, anti-slip tests: R10 and R11.
- ▶ Chemical resistance in accordance with EN 13529:2003 (media groups 8, 9, 9a, 11, 12, 14).



PRODUCT DATA

Packaging size	Set: A + B = 5,00 kg: A = 3,00 kg B = 2,00 kg
	Set: A + B = 10,00 kg: A = 6,00 kg B = 4,00 kg
Shelf life	12 months from the date of production
Colour	Transparent

TECHNICAL DATA

Density	Approx. 1.09 kg/dm ³
Consumption	Approx. 200 - 400 g/m ² per layer depending on the structure of the subfloor.
Mixing ratio	60 part by weight comp. A 40 part by weight comp. B
Pot life	Approx. 15-20 minutes*
Ready for foot traffic	After 2 hours*
Recoatable	After 2 – 4 hours (apply the next layer within 24 hours)*
Full mechanical resilience	After 1 day*
Chemically resistant	After 3 days*
Water durable	After approx. 4 hours*
Frost resistance	No
Solids content	100 %
Viscosity (23°C)	Approx. 1.800 mPa·s
Adhesion strength	> 1,5 N/mm ² (depending on the adhesion strength of the substrate)
Abrasion resistance Taber (7d/ 21°C/60% r.h.)	47 mg (CS-10/1000U/1000g)



Impermeable



Low maintenance and maintenance friendly



No seams



UV-stable



Good resistance to chemicals



Hard-wearing and good scratch resistance

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)). Cement and gypsum based subfloors must be dried for at least 28 days before being coated. The following values apply:

- ▶ Cement based floors: < 4 %
- ▶ Gypsum based floors: < 5 %
- ▶ Gypsum based floors
in combination with underfloor heating: < 0 %

SUBFLOOR PREPARATION

Remove non-adherent layers and contaminants by suitable mechanical means (e.g. shot blasting, milling or grinding/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*.

SYSTEM STRUCTURE

Self-smoothing Floor

Arturo PAS3790 Floor Coating.

Sealer

Arturo PAS7790 Sealer.

PROCESSING CONDITIONS

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

- ▶ Min.: + 10°C
- ▶ Max.: + 30°C
- ▶ Optimum: + 20°C

Maximum relative humidity: 80%.

These conditions must be observed while processing as well as curing. Provide adequate ventilation. BUT: Draughts must be avoided. This can lead to different degrees in gloss and problems in the surface.

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

PROCESSING INSTRUCTIONS

Stir component A using a mechanical stirrer. Add component B 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 ca. 1 minute. Apply a closed, uniform layer of the mixture to the subfloor using a smoothing trowel or a not too flexible wiper. Then roll the surface with a 50 cm wide nylon roller. Change the roller regularly to avoid dried material in the roller. Do not work

too large an area, in order to prevent unevenness from re-acted material. Also avoid long waiting times during a working step to prevent such unevenness. Apply at least 2 layers of Arturo PAS7790 Sealer. When applying a further layer to already coated subfloors, it is vital that the existing cured layers are totally tack-free. For waiting times of over 24 hours, the existing layer must be roughened by suitable means (e.g. sanding). Then make the surface 100% dust-free by vacuuming and cleaning with damp cloths.

With the addition of Arturo Ballotini:

Stir component A using a mechanical stirrer. Add component B 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 ca. 1 minute. Then add the Arturo Ballotini and mix again. Apply the material on the subfloor by using a nylon roller (14 mm). The fresh material has to be rerolled by using a nylon roller (14 mm) again.

The consumption needs to be adjusted with the anti-slip variant.

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 sb) is 500 g/l in the ready-to-use state (version 2010). The VOC content of Arturo PAS3790 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

Component A: Bevat bis(4-(1,2-bis(ethoxycarbonyl)-ethyl-amino)-3-methyl-cyclohexyl)-methaan, tetraethyl-N,N'-(methyleendicyclohexaan-4,1-diyl)bis-DL-aspartaat. Kan een allergische huidreactie veroorzaken. Schadelijk voor in het water levende organismen, met langdurige gevolgen. Component B: Bevat isocyanaten. Kan een allergische reactie veroorzaken. Schadelijk bij inademing. Kan een allergische huidreactie veroorzaken. Kan irritatie van de luchtwegen veroorzaken. Beide componenten: Bij de verwerking is gebruik van een huidbeschermende crème en ventilatie van de werkruimte principieel aan te bevelen. Beschermende handschoenen en oog-bescherming dragen. Bij contact met de huid meteen afwassen met veel water en zeep. Bij contact met de ogen meteen spoelen met water en een arts raadplegen. In acht genomen worden moeten o.a.: Voorschriften van de Gevaar- /Veiligheidsinstructies op het etiket van de verpakking, het veiligheidsinformatieblad.

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.