

EP9000 LEVELLING SLURRY

PRODUCT DESCRIPTION

Arturo EP9000 Slurry is a solvent-free, 1 to 4 mm thick, 2-component, epoxy-based, transparent levelling slurry (2-C, EP)

AREA OF APPLICATION***

It is suitable as a durable, seamless, non-coloured, anti-slip coating for cement bound subfloors. Arturo EP9000 slurry is especially suitable as a finish for floors that are exposed to medium and heavy loads, for example:

- ▶ Ramps
- ▶ Loading and unloading platforms
- ▶ Aircraft platforms
- ▶ Bridges
- ▶ Transport zones

PRODUCT FEATURES/BENEFITS

- ▶ Anti-slip
- ▶ Seamless
- ▶ High resistance to chemicals
- ▶ Self-smoothing

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 an Arturo flooring system.
- ▶ Testing on chemical resistance in accordance with DIN EN ISO 2812-3.



PRODUCT DATA

Packaging size	Set: A + B = 25 kg: A = 20,60 kg B = 4,40 kg
Shelf life	Approx. 6 months from the date of production
Colour	Natural

TECHNICAL DATA

Density	Approx. 1.60 kg/dm ³
Consumption	Approx. 1.60 kg/m ² /mm layer thickness
Mixing ratio	82.5 part by weight comp. A 17.5 part by weight comp. B
Pot life	Approx. 20 minutes*
Dust-dry	After approx. 6 hours*
Ready for foot traffic	After approx. 16 hours*
Recoatable	In approx. 16 to max 24 hours*
Full mechanical resilience	After 3 days*
Chemically resistant	After 7 days*
Layer thickness	Approx. 3 mm
Frost resistance	Yes (but avoid large temperature differences over short periods)
Solids content	100%
Viscosity (23°C)	2,100 mPa·s*
Adhesion strength	> 1,5 N/mm ² (depending on the adhesion strength of the substrate)



Impermeable



Low maintenance and maintenance friendly



No seams



Good resistance to chemicals



Classification of fire resistance



Slip-resistant option

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.

- ▶ Cement screed subfloors: < 4 %
- ▶ Concrete class > B35: < 3 %
- ▶ Concrete class < B35 < 3 %

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

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.

SYSTEM STRUCTURE

Primer:

Prime the surface with Arturo EP6601 construction resin (see the technical information sheet for details about using this product) and then sand in with quartz sand. The primer must be fully cured (tack-free) before carrying out further work. If the subfloor is milled or shot-blasted and has a uniform fine structure, then priming is not necessary.

Slurry without the addition of fillers:

Apply Arturo EP9000 slurry in the desired layer thickness. Use ca. 1.60 kg/m²/mm. Sand in with excess quartz sand 0.3 - 0.8 mm (use ca. 4 - 6 kg/m² quartz sand) or a sand chosen by the customer. After complete hardening, remove all loose sand.

Slurry with the addition of fillers:

Apply Arturo EP9000 slurry in the desired layer thickness (use ca. 2.50 kg/m²/mm). Sand in with excess quartz sand 0.7 - 1.2 mm (use ca. 5 - 12 kg/m² quartz sand) or a sand chosen by the customer. After complete hardening, remove all loose sand. If desired the gritted Arturo EP9000 can be sealed with, for example, Arturo EP3900 floor coating. The consumption of this depends on the grain size of the sand.

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

(In general, higher temperatures shorten the pot life, whilst lower temperatures prolong the curing). Maximum relative humidity: 80%

Important: All components must be acclimatised in the working area prior to use for at least 24 hours.

PROCESSING INSTRUCTIONS

Slurry without the addition of fillers:

Stir component A thoroughly. 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 1 minute. Pour the mixture onto the subfloor and distribute with a flat trowel or a notched trowel to the desired layer thickness. Strew the surface with an excess of material chosen by the customer.

Slurry with the addition of fillers:

Stir component A thoroughly. Add component B and mix for at least 3 minutes with an electrical mixer (ca. 300 – 400 rpm). For example, add 16 kg quartz sand (0.3 - 0.8 mm) per 25 kg container of Arturo EP9000. Then transfer to a clean bucket and mix thoroughly once again for 1 minute. Pour the mixture onto the prepared subfloor and distribute using flat trowel or a notched trowel to the desired layer thickness. Strew the surface with an excess of material chosen by the customer.

Safety information:

The safety information on the label of this product must be heeded.

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 500 g/l in the ready-to-use state (version 2010). The VOC content of Arturo EP9000 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. Not flammable. Comp. A: Contains epoxy resin/irritant. Comp. B: Contains amine hardener/corrosive. Both components: May cause irritations 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.