

## EP6955 PRIMER

### PRODUCT DESCRIPTION

Arturo EP6955 primer OS 8 is a solvent-free, 2-component, epoxy-based primer. Arturo EP6955 primer OS 8 is part of the car park system (Parking system) in accordance with DAfStB Germany (2001).

### AREA OF APPLICATION\*\*\*

It is suitable as a primer on cement bound subfloors. Arturo EP6955 primer OS 8 is especially suitable for the following applications:

- ▶ Primer layer / scratch coat under Arturo resin floor systems.
- ▶ Primer on cement bound subfloors prone to the penetration of dampness from the underside.

### PRODUCT FEATURES/BENEFITS

- ▶ Prevents the penetration of dampness from the underside
- ▶ Part of the OS 8 system in accordance with DafStB (2001)
- ▶ Solvent-free
- ▶ Easy to process
- ▶ Good intermediate adhesion
- ▶ Fast version available with the Arturo Epoxy Accelerator

### TEST/APPROVAL

- ▶ Arturo EP6955 Primer contains no silicones or other surface-active substances which adversely affect the processing of products such as car paints.
- ▶ Tested according to AgBB within several Arturo PU-based flooring systems.
- ▶ Tested according to OS 8 (DAfStb 10/2001)
- ▶ Classification and testing of the fire resistance according to BS EN 13501-1 within an Arturo flooring system.



### PRODUCT DATA

Packaging size	Set: A + B = 23 kg: A = 16,20 kg B = 6,80 kg
Shelf life	Approx. 12 months from the date of production.
Colour	Transparent



Compatible with underfloor heating



Universal use



Resistant to moisture at the reverse side

## TECHNICAL SPECIFICATIONS

Density	Approx. 1.07 kg/dm <sup>3</sup>
Consumption	For a 1.5 mm layer of OS 8: 0.450 kg/m <sup>2</sup> EP 6955 + 0.450 kg/m <sup>2</sup> quartz sand 0.1 - 0.5 mm; Sand in with an excess of quartz sand 0.3-0.8 mm. For a 2.5 mm layer of OS 8: 0.800 kg/m <sup>2</sup> EP 6955 + 0.800 kg/m <sup>2</sup> . As primer: Ca. 350 gr/ m <sup>2</sup> depending on the subfloor
Mixing ratio	70.5 part by weight comp. A 29.5 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	After approx. 16 hours* (+ 7% Arturo Epoxy Accelerator: approx. 4 hours)
Chemically resistant	After 16 hours*
Frost resistance	Yes**
Solids content	100%
Viscosity (23°C)	Approx. 475 mPa·s
Adhesion strength	> 1,5 N/mm <sup>2</sup> (depending on the adhesion strength of the substrate)

## 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/mm<sup>2</sup>), average tensile strength >1.5 MPa (N/mm<sup>2</sup>), when applied in OS 8 system > 2.0 MPa (N/mm<sup>2</sup>), smallest single value > 1.0 MPa (N/mm<sup>2</sup>)).

Prior to work, the subfloor must be adequately dry:

- ▶ Cement screed subfloors: < 5 CM%
- ▶ Concrete class > B35: < 3 CM%
- ▶ Concrete class < B35: < 5 CM%

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

For advice in primer selection for all other substrates, ask your Technical Commercial Advisor.

## 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 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: 80%

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

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

## APPLICATION

As scratch coat for car park system OS 8:

Layer thickness 1.5 mm

Thoroughly mix the two components for at least 3 minutes with an electrical mixer (speed ca. 300 – 400 rpm). Then add component C (quartz sand 0.1 - 0.5 mm) in a 1:1 ratio by weight. Then transfer to a clean bucket and mix thoroughly once again for 1 minute. Apply a closed, even layer of the mixture to the subfloor using a trowel with a cross-wise scraping motion. Then sand in with an excess of quartz sand 0.3 - 0.8 mm.

After hardening remove all excess sand.

Layer thickness 2.5 mm:

Thoroughly mix the two components for at least 3 minutes with an electrical mixer (speed ca. 300 – 400 rpm). Then add component C (sand 0.3 - 0.8 mm) in a 1:1 ratio by weight. Then transfer to a clean bucket and mix thoroughly once again for 1 minute. Apply a closed, even layer of the mixture to the subfloor using a trowel with a cross-wise scraping motion. Then sand in with an excess of quartz sand 0.3 - 0.8 mm.

After hardening remove all excess sand.

As primer:

Thoroughly mix the two components 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 a thin, closed and even layer of the mixture to the subfloor using a brush or lambskin roller. Then brush in with a brush to ensure all pores are sealed.

Fast version:

Also available as fast version in combination with the Arturo Epoxy Accelerator.

Application: mix the Arturo EP6955 Primer according to the data sheet and add 7% Arturo Epoxy Accelerator. Then mix again. Curing time approx. 4 hours.

Attention: the working time is shortened by adding the Arturo Epoxy Accelerator (approx. 20 minutes). Avoid long waiting times, they can lead to a negative result.

Attention:

Too much rest material in the packaging can lead to smoke development and heating of the material due to the exothermic reaction. Therefore never leave more material than 100

gr in the packaging and set it on a safety and good ventilated place. If there is more restmaterial in it you need to add sand.

## 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 EP6955 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

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## HEALTH AND SAFETY AT WORK

Solvent-free. Non flammable. Comp. A: Contains epoxy resin/irritant. Comp. B: Contains amine hardener/corrosive. 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 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.