Product information

EP6955

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 on cement bound subfloors.
- Primer on cement bound subfloors prone to the penetration of dampness from the underside.

Optical appearance

Glossy

Product features

- 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

Test certificates

OS 8:

- Polymer Institut no. P 5637-3 dated 09-11-2008
- Polymer Institut no. P 6029 dated 02-04-2009
- Prüfinstitut Hoch KB-Hoch-090889 dated 30-09-2009
- Prüfinstitut Hoch KB-Hoch-090846 dated 30-09-2009

Product data

Colour	Transparent
Packaging	23 kg set A = 16.20 kg B = 6.80 kg
Layer thickness	Scratch coat ca. 800 to 1000 µm
Shelf-life/storage	Ca. 12 months if stored under frost-free conditions in the original packaging.
Frost resistance of the final product	Yes (but avoid large temperature differences over short periods).

Technical data

Density of the mixed product	Ca. 1.07 kg/dm^3
Mixing ratio	70.0 parts by weight comp. A 30.0 parts by weight comp. B
Solids content	100%
Consumption	For a 1.5 mm layer of OS 8 0.450 kg/m² EP 6955 + 0.450 kg/m² 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/m² EP 6955 + 0.800 kg/m² quartz sand 0.3-0.8 mm; Sand in with an excess of quartz sand 0.3-0.8 mm; After hardening remove all excess sand As primer: Ca. 350 gr/ m² depending on the subfloor
Pot life	Ca. 30 minutes*
Fire classification	In accordance with DIN EN 13501-1: Efl
Hardening/curing	Dust-dry After ca. 8 hours* Foot traffic After ca. 16 hours* Further layers/treatments After 16 hours*
Viscosity	Ca. 475 mPa-s (23°C)
Shore-D Hardness	Ca. 83

*at 20°C, 65% relative humidity

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), when applied in OS 8 system > 2.0 Mpa (N/mm²), smallest single value > 1.0 MPa (N/mm²)).

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.

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:

The two components must be acclimatized in the working area prior to use for at least 24 hours.

Processing instructions for Arturo EP6955

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.

Safety information:

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

Cleaning tools

Clean tools and equipment immediately after use. Fully hardened material can only be removed by mechanical means.

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.

Health and safety at work

GISCODE RE 1 – solvent-free. Not flammable.
Comp. A: Contains epoxy resin / Xi: "irritant".
Comp. B: Contains amine hardener / C: "corrosive".
Both components: Risk of irritation and/or chemical burns to the eyes, respiratory organs and skin. Can cause hypersensitivity if contacted with the skin. If contacted with the skin, immediately wash the skin with a lot of water and soap. If contacted with the eyes, immediately flush the eyes with water and consult a doctor. Wear suitable protective gloves and safety glasses. "Harmful to the environment" in the liquid state, hence prevent discharge into drains, surface waters or onto soil. Heed, amongst other things, the following: The German Ordinance on Hazardous Substances and Technical Regulation 610 / risk statements / safety recommendations on the container label, safety data sheet, product group information and model instructions of the Association of the Construction Industry (BG Bau) for GISCODE RE 1, guidelines of BG Bau "Epoxy resins in the construction industry". Neutral odour and ecologically and physiologically harmless once completely dry.

Disposal

Do not discharge into drains, surface waters or onto soil. Empty, scraped out and leak-free metal containers can be recycled [Interseroh]. Containers containing non-cured residues of product as well as all other non-cured product residues must be disposed of as hazardous waste. Containers containing cured residues of product can be disposed of as building site waste. For this reason, gather together product residues, mix the components, leave to harden and then dispose of as building site waste.

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