Product Datasheet

EP6600 NEW PRIMER

PRODUCT DESCRIPTION

Arturo EP6600 Primer is a solvent-free, 2-component, epoxy based primer. Also universally applicable as a scratch coat (2-C, EP)

AREA OF APPLICATION***

The product is suitable as a primer on cement, anhydrite and magnesite bound subfloors. Arturo EP6600 Primer is especially suitable:

- As a primer under EP and PU self-smoothings.
- For manufacturing scratch coat (max.1:1 with Arturo sand, grain size 0.1 - 0.3 mm).
- As an adhesion layer, wet-in-wet under EP mortar.

PRODUCT FEATURES/BENEFITS

- Easy to process
- Solvent-free
- Anti foam effect
- Good intermediate adhesion
- Universal use (as a primer as well as a scratch coat)

TEST/APPROVAL

- AgBB certified in system with various Arturo PU floor systems.
- Arturo EP6600 Construction Resin contains no silicones or other surface-active substances which adversely affect the processing of products such as car paints.
- Classification and testing of the fire resistance according to BS EN 13501-1 within several Arturo flooring systems.
- Tested according to AgBB within several Arturo PU/EP-based flooring systems.(see paragraph “DIBt Gutachten”).

PRODUCT DATA

Packaging size	Set A + B = 2,5 kg: A = 1,67 kg B = 0,83 kg Set A + B = 10 kg: A = 6,67 kg B = 3,33 kg Set: A + B = 25 kg: A = 16,67 kg B = 8,33 kg Set: A + B = 600 kg: A = 2 x 200 kg B = 200 kg
Shelf life	6 months from the date of production.
Colour	Transparent

Food-safe

Low-emission

Classification of fire resistance

Compatible with underfloor heating

Resistant to moisture at the reverse side

Universal use

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TECHNICAL SPECIFICATIONS

Density	Approx. 1.10 kg/dm³
Consumption	Approx. 200 - 350 g/m² (as primer). Approx. 500 – 1300 g/m² (as scratch coat) depending on the subfloor
Mixing ratio	66.7 part by weight comp. A 33.3 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	Within approx. 16 to max 24 hours* (Arturo Epoxy Accelerator: approx. 3 hours)
Frost resistance	Yes**
Viscosity (23°C)	Approx. 900 mPa·s
Adhesion strength	> 1,5 N/mm² (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/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. The following values apply:

- Cement screed subfloors ≤ 4 CM%
- Anhydrite: ≤ 0,3 CM%.
- Magnesite: ≤ 4 CM%.
- Concrete class > B35: ≤ 4 CM%.
- Concrete class < B35: ≤ 3 CM%.

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.

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 primer:

Stir component A thoroughly. Add component B and mix for at least 2 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 along the edges with a brush and then roll with a roller.

Apply a closed, even layer of the mixture to the subfloor using a rubber wiper or nylon roller 25 cm (14 mm pile height). For use as an adhesion layer under coatings, one layer of Arturo EP6600 primer is applied.

As scratch coat:

Stir component A thoroughly. Add component B and mix for at least 2 minutes with an electrical mixer (speed ca. 300 – 400 rpm). Then transfer to a clean bucket. Then add Arturo sand (0.1-0.3 mm) in a max. 1:1 ratio by weight and stir again thoroughly for ca. 1 minute. Apply a closed, even layer of the mixture to the subfloor using a smoothing trowel.

Sanding:

As the primer is used as an adhesion layer under mortar-, self-smoothing- or pebble-floors, it need to be sanded with quartz sand 0,3-0,8 mm. As an adhesion layer under equalization it need to be sanded with quartz sand 0,3-0,8 mm in excess. After hardening remove the excess sand and start with levelling. Bevor levelling, control if there remains enough sand. The primer may swept away on some places, where needed repeat the treatment (primer+sanding).

Fast version:

Also available as fast version in combination with the Arturo Epoxy Accelerator.
Application: mix the Arturo EP6600 Primer according to the data sheet and add 7% Arturo Epoxy Accelerator. Then mix again. Curing time approx. 3 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 exother-

mic reaction. Therefore never leave more material than 100 gr in the packaging and set it on a saftey and goed ventilated place. If there is more restmaterial in it you need to add sand.

DIBT GUTACHTEN

DIBt Gutachten Nr. G-156-19-000 for the assessment of compliance with the construction requirements with regard to health protection (ABG) according MVVTB 2019/1, attachment 8, when installing the flooring systems "Arturo PU".

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 EP6500 in the ready-to-use state is < 500>

DATA SOURCES

All technical data, measurements and values 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, subfloor 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

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 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 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.