

## EP6650 PRIMER

### PRODUCT DESCRIPTION

Arturo EP6650 primer is a 2-component, epoxy-based primer which can be thinned with water.

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

It is suitable as a primer / adhesion layer on cement, anhydrite and magnesite bound subfloors and tiling.

Arturo EP6650 primer is especially suitable as:

- ▶ Adhesion layer on tiling and dense subfloors
- ▶ Primer under diffusion-open coatings and self-smoothing floors
- ▶ Primer for making cement and anhydrite bound subfloors dust-free

### PRODUCT FEATURES/BENEFITS

- ▶ Low odour
- ▶ Easy to apply
- ▶ Can be thinned with water
- ▶ Good as adhesion layer

### TEST/APPROVAL

- ▶ Tested according to AgBB within several Arturo PU-based flooring systems. Fitted with DIBt Gutachten (see paragraph "DIBt Gutachten").



### PRODUCT DATA

|                |   |
|----------------|---|
|                | Set: A + B = 3,75 kg:<br>A = 2,80 kg<br>B = 0,95 kg |
| Packaging size | Set: A + B = 7,50 kg:<br>A = 5,60 kg<br>B = 1,90 kg |
| Shelf life     | Approx. 12 months from the date of production.      |
| Colour         | Transparent   |

### TECHNICAL SPECIFICATIONS

|                            |   |
|----------------------------|---|
| Density                    | Approx. 1,05 kg/dm <sup>3</sup>   |
| Consumption                | Ca. 75 – 150 g/m <sup>2</sup> , depending on the subfloor                     |
| Mixing ratio               | 75.0 part by weight comp. A<br>25.0 part by weight comp. B                    |
| Pot life                   | Approx. 60 minutes*   |
| Dust-dry                   | After approx. 2 hours*  |
| Ready for foot traffic     | After approx. 8 hours*  |
| Recoatable                 | After approx. 8 hours*  |
| Full mechanical resilience | After 3 days*   |
| Chemically resistant       | After 7 days*   |
| Water quantity             | 20 - 25%  |
| Frost resistance           | Yes**   |
| Solids content             | 50%   |
| Viscosity (23°C)           | Approx. 465 mPa·s incl. water   |
| Adhesion strength          | > 1,5 N/mm <sup>2</sup> (depending on the adhesion strength of the substrate) |



Compatible with underfloor heating



Can be used for renovations



Open to diffusion



Universal use

## 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>), 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%
- ▶ Anhydrite: < 0.5 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

Stir component A thoroughly. Add component B (be sure to add all the packaging contents) and mix for at least 2 minutes with an electrical mixer (speed ca. 300 – 400 rpm). Then add 20 – 25% water and mix once again for ca. 1 minute until the mixture is homogeneous. Then transfer to a clean bucket and mix thoroughly once again for 1 minute. Apply a closed and even layer of the mixture to the subfloor using a brush or lambskin roller. Then brush in with a brush. Please ask for special advice if you have a tiled floor.

### 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 0,1-0,3 mm.

## DIBT GUTACHTEN

DIBt Gutachten Nr. G-156-19-0005 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 EP6650 in the ready-to-use state is < 140 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, 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](http://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 Polyamine-epoxy-resin-compound/corrosive. Comp. B:

Contains epoxy resin/irritant.

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.