Product Datasheet

EP6400 PRIMER

PRODUCT DESCRIPTION

Arturo EP6400 electrically conducting primer is a waterborne, 2-component, electrically conducting, epoxy-based primer.

AREA OF APPLICATION***

It is used as an electrically conducting layer under Arturo EP2480 self-smoothing floor and Arturo EP2490 self-smoothing floor.

PRODUCT FEATURES/BENEFITS

- Electrically conducting
- Easy to apply
- Good intermediate adhesion
- Low odour
- Contains water
- Solvent-free

TEST/APPROVAL

- Classification and testing of the fire resistance according to BS EN 13501-1 within several Arturo flooring systems.
- Arturo EP6400 contains no silicones or other surface-active substances which adversely affect the processing of products such as car paints.

PRODUCT DATA

Packaging size	Set: A + B = 8.00 kg: A = 6.58 kg B = 1.42 kg
Shelf life	Approx. 6 months from date of production.
Colour	Graphite

TECHNICAL SPECIFICATIONS

Density	Approx. 1.07 kg/dm³
Consumption	Approx. 80 - 120 g/m², depending on the subfloor
Electrostatic properties	Electrical resistance: < 200 x 10^3 Ω
Mixing ratio	82.2 part by weight comp. A 17.8 part by weight comp. B
Pot life	Approx. 45 minutes*
Dust-dry	After approx. 4 hours*
Ready for foot traffic	After approx. 8 hours*
Recoatable	In approx. 8 to max 24 hours*
Frost resistance	No
Solids content	39%
Viscosity (23°C)	Approx. 2000 mPa·s

Compatible with underfloor heating

Electrically conducting

Classification of fire resistance

EP6400 PRIMER

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 CM%
- Anhydrite: < 0.3 CM%
- Concrete class > B35: < 3 CM%
- Concrete class < B35: < 4 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.

At least one layer of Arturo EP6200 scratch coat must always be applied to the prepared subfloor. The copper tape is then bonded to the Arturo EP6200 scratch coat. For areas < 40 m² ensure there are at least 2 connection points per room/area. For areas > 40 m², ensure there is at least one connection point for each 40 m² of surface. Ca. 1 m¹ copper tape must be bonded on the floor per 40 m².

Important:
The Arturo EP6200 scratch coat must be sanded thoroughly before applying the Arturo EP6400 electrically conducting primer.

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: 75%

(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.

Important:

Prevent condensation. For this reason make sure that there is sufficient ventilation and temperature in the room. Beware: strong draughts can lead to surface disturbances, like colour and gloss differences. Fluctuating temperatures and/or relative humidity need to be avoided to achieve the electrostatic values:

- good/sufficient ventilation
- if necessary set up air dehumidifiers

APPLICATION

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 the mixture to a clean bucket and mix again for 1 minute. Pour the mixture onto the Arturo EP6200 and apply a thin, closed and even layer of the mixture using a brush or lambskin roller.

Use is combination with Arturo 2480 self-smoothing floor and Arturo 2490 self-smoothing floor.

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 140 g/l in the ready-to-use state (version 2010). The VOC content of Arturo EP6400 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. 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 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.