Product information

EP6400

Product description

Arturo EP6400 electrically conducting primer is a waterborne, 2-component, electrically conducting, epoxy-based primer for application under Arturo EP2480 self-smoothing floor and Arturo EP2490 self-smoothing floor.

Area of application

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

Optical appearance

Matt

Product features

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

Product data

Colour	Graphite
Packaging	8.00 kg set A = 6.58 kg B = 1.42 kg
Layer thickness	Ca. 100 µm
Shelf-life/storage	Ca. 6 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	82.2 parts by weight comp. A 17.8 parts by weight comp. B
Solids content	39%
Consumption	Ca. 80 - 120 g/m^2, depending on the subfloor
Resistance to earth	< 50 x 10^3 Ω
Pot life	Ca. 45 minutes*
Hardening/curing	Dust-dry After ca. 4 hours* Foot traffic After ca. 8 hours* Further layers/treatments In ca. 8 to max 24 hours*

*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), 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

(In general, higher temperatures shorten the pot life, whilst lower temperatures prolong the curing).
Maximum relative humidity: 80%

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.

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

Processing instructions for Arturo EP6400

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.

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

Cleaning tools

Clean tools and equipment immediately after use with lukewarm water. 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.

Protection of the Workplace and the Environment

Solvent-free. Not flammable.
Comp. A: Contains polyamine adduct/ 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. Use barrier cream, protective gloves and safety-goggles. 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. 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 a 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 metal/plastic 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.

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