

Product description

Arturo EP3600 floor coating is a 100 - 300 µm thick, 2-component, epoxy-based floor coating which can be thinned with water.

Area of application

It is suitable as a coloured, durable, seamless finish for cement and anhydrite bound subfloors, magnesite, tiling and asphalt.

Arturo EP3600 floor coating is especially suitable as a coating on floors that are exposed to light loads. For example for:

- Storage areas
- Private garages
- Shops
- Production areas

Optical appearance

Semi-gloss

Product features

- Can be thinned with water
- Abrasion resistance
- Low odour
- Open to diffusion
- Good resistance to chemicals
- Easy to clean
- Easy to apply

Test certificates

- Abrasion resistance:
Intron no. A827580
- Fire resistance:
Öti: 64382

Product data

Colour	See the colour chart for Arturo EP3600. Other colours available on request.
Packaging	<u>5 kg set</u> A = 3.75 kg B = 1.25 kg <u>10 kg set</u> A = 7.50 kg B = 2.50 kg
Layer thickness	50 – 150 µm per layer
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. 1.54 kg/dm ³
Mixing ratio	75.0 parts by weight comp. A 25.0 parts by weight comp. B
Solids content	Ca. 68%
Consumption	Ca. 100 – 200 g/m ² , depending on the subfloor
Pot life	Ca. 45 minutes*
Hardening/curing	<u>Dust-dry</u> After ca. 2 hours* <u>Foot traffic</u> After ca. 8 hours* <u>Further layers/treatments</u> After ca. 8 hours* <u>Mechanical loads</u> After 3 days* <u>Exposure to chemicals and water</u> After 7 days*
Abrasion resistance Taber	40 mg (CS-10/1000/1000)
Resistance to chemicals:	See the Chemical Resistance list

*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: ≤ 5 CM%
- Anhydrite: ≤ 0.5 CM%
- Magnesite: 2-4 CM%
- Concrete class > B35: ≤ 3 CM%
- Concrete class < B35: ≤ 4 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 EP6600 scratch coat.

System structure

Primer:

First layer: EP3600 with addition of 10 to 15% water

Floor coating:

Second layer: EP3600 (EP3610) with addition of 10% water On very absorbent subfloors a third layer of Arturo EP3600 may be necessary.

Important:

In some cases, two coating layers may not produce the desired optical result. With some colours (such as orange, yellow and red) we recommend an additional primer layer of Arturo EP3600 in colour RAL 7035.

Processing conditions

Minimum subfloor temperature: + 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: 75%

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 individual components must be acclimatised in the working area prior to use for at least 24 hours. The wet coating must not be exposed to draughts.

Processing instructions for Arturo EP3600

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 10 – 15 % water and mix once again for ca. 1 minute until the mixture is homogeneous.

Note:

It is urgently required to follow above mixing procedure and mixing times to avoid possible colour variations between different packagings.

Then transfer to a clean container and mix thoroughly once again for 1 minute. Apply along the edges with a brush and then roll with a roller. Apply a thin, closed and even layer of the mixture to the subfloor using a brush or nylonroller roller (in at least 2 working steps).

Then roll the fresh layer with a 50-70 cm wide floor roller. Always work "wet in wet" and over not too large an area in order to avoid unevenness from reacted material. Avoid long waiting times during a working step to prevent such unevenness. Apply at least two layers of Arturo EP 3600. When applying a further layer to already coated subfloors, it is vital that the existing cured layers are totally tack-free. For waiting times of over 24 hours, the existing layer must be roughened by suitable means (e.g. sanding). Then make the surface 100% dust-free by vacuuming and cleaning with damp cloths. It is essential that the working area is well ventilated.

Note:

Depending on the coverage strength of the colour and/or state of the subfloor, it can be necessary to apply more layers for a good coverage.

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.

Floor cleaning and care

Use neutral or slightly alkaline cleaning and care agents. For further information see the cleaning and care instructions of Johnson Diversey.

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.