

## EP3280 FLOOR COATING

### PRODUCT DESCRIPTION

Arturo EP3280 Structured Floor Coating is a coloured, solvent-free, 250-700 µm thick, 2-component, structured epoxy-based floor coating with glossy finish (2-C, EP)

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

Suitable as a durable, seamless, coloured structured coating for cement, anhydrite and magnesite bound subfloors. Arturo EP3280 Structured Coating is especially suitable as a coating on floors that are exposed to light and medium loads, for example for:

- ▶ Storage areas
- ▶ Workshops
- ▶ Parking garages

### PRODUCT FEATURES/BENEFITS

- ▶ Glossy
- ▶ Structured
- ▶ Seamless
- ▶ Solvent-free and low odour
- ▶ Good resistance to chemicals
- ▶ Easy to apply
- ▶ Easy to clean

### TEST/APPROVAL

- ▶ Anti-slip properties in accordance with DIN 51130 and BGR 181: R10
- ▶ Tested of the presence of paint-wetting impairment substances according to PV 3.10.7 section 3.2.2 Solvent test.



### PRODUCT DATA

Packaging size	Set A + B = 15 kg: A = 12,75 kg B = 2,25 kg
Shelf life	Approx. 12 months from the date of production.
Colour	RAL 7030, 7035, 7038, 7045

### TECHNICAL DATA

Density	Approx. 1.45 kg/dm <sup>3</sup>
Consumption	Approx. 600 g/m <sup>2</sup> depending on the subfloor
Mixing ratio	85.0 part by weight comp. A 15.0 part by weight comp. B
Pot life	Approx. 20 minutes*
Dust-dry	After approx. 6 hours*
Ready for foot traffic	After approx. 16 hours*
Recoatable	After approx. 16 hours*
Full mechanical resilience	After 3 days*
Chemically resistant	After 7 days*
Adhesion strength	> 1,5 N/mm <sup>2</sup> (depending on the adhesion strength of the substrate)



Impermeable



Low maintenance and maintenance friendly



No seams



Good resistance to chemicals



Slip-resistant option



Can be used for renovations

## 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 ≤ 4 CM%
- ▶ Anhydrite: ≤ 0 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 EP6200 scratch coat.

## SYSTEM STRUCTURE

Primer:

Arturo EP6500

Coating:

Arturo EP3280

Coating slight resistant:

By adding 10% of quartz sand (0.1-0.5 mm) a slight resistant surface can be achieved in accordance to R10.

Rough subfloors must be smoothed with a scratch coat (Arturo EP6200) or Arturo EP6500 with Arturo sand 0.1-0.3 mm (mixing ratio 1:1)

## 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

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.

## PROCESSING INSTRUCTIONS

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 to a clean bucket and mix thoroughly once again for 1 minute. Apply a thin, closed and even layer of the mixture to the subfloor using a notched trowel S3 from Wolff (artnr. 13409). Then roll the fresh layer with a 25 cm structure roller (artnr. 68348). 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. 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.

Safety information:

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

## 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 wb) is 500 g/l in the ready-to-use state (version 2010). The VOC content of Arturo EP3280 in the ready-to-use state is < 500 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, 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](http://www.arturoflooring.com). Our general terms and conditions of sale and delivery also apply.

## PROTECTION OF THE WORKPLACE AND ENVIRONMENT

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 allow dispersal into drains, sewers or ground. Empty, scraped and drip-free containers are recyclable. Containers with liquid residue, as well as the liquid product, are classed as Special Waste. Dried product residues are classed as 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.