

Product description

Arturo PU2030 self-smoothing floor is a solvent-free, high UV stable, 1 to 2 mm thick, 2-component, polyurethane-based floor finish.

Area of application

It is suitable as an aesthetic, decorative, seamless and coloured finish on cement bound.

Arturo PU2030 self-smoothing floor is ideal for floors that are exposed to light loads, for example for:

- Schools / kindergarten
- Balconies, terraces
- Homes
- Common rooms
- Offices
- Therapy rooms

Optical appearance

Glossy

Product features

- Permanently elastic
- Seamless
- High UV stability
- Impermeable to liquids
- Solvent-free
- Self-smoothing
- Decorative
- Absorbs foot noise

Test certificates

- Fire classification
 - In accordance with DIN 4102: B1
 - In accordance with DIN EN 13501-1: Bfl-s1
- Tested according to AgBB within a product system
- Abrasion resistance AR 0.5 (DIN EN 13892-4)



Product data

Colour	See the colour chart. Other colours available on request.
Packaging	<u>25 kg set</u> A = 20.0 kg B = 5.0 kg <u>10 kg set</u> A = 8.0 kg B = 2.0 kg <u>5 kg set</u> A = 4.0 kg B = 1.0 kg
Layer thickness	Ca. 2 mm
Shelf-life/storage	Ca. 6 months if stored under frost-free conditions in the original packaging. Comp. B must be stored at a temperature of min. 10°C.
Impression sensitivity	Prolonged heavy static loads can lead to impressions / indentations.
Frost resistance of the cured final product	Yes (but avoid large temperature differences over short periods)

Technical data

Density of the mixed product	1.56 kg/dm ³
Mixing ratio	80.0 parts by weight comp. A 20.0 parts by weight comp. B
Solids content	100%
Shore D-hardness	Ca. 30**
Viscosity	Ca. 2500 – 2800 mPa·s (23°)
Consumption	Ca. 1.56 kg/m ² /mm layer thickness
Pot life	Ca. 25 minutes*
Hardening/curing	<u>Dust-dry</u> After ca. 6 hours* <u>Foot traffic</u> After ca. 16-24 hours* <u>Further layers/treatments</u> In ca. 16 to max. 24 hours* <u>Mechanical loads</u> After 7 days* <u>Exposure to chemicals and water</u> After 7 days*

*at 20°C, 65% relative humidity **after 14 days

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 MPa (N/mm²)).

Prior to work, the subfloor must be adequately dry:

- Cement screed subfloors: ≤ 4 CM%
- Anhydrite: ≤ 0.3 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:

Prime the surface with Arturo EP6900 construction resin (see the technical information sheet for details about using this product).
Special case (rough / open subfloors): Arturo EP6200 scratch coat (see the technical information sheet for details about using this product). The primer / scratch coat must cure to a tack-free state before carrying out further work.

Self-smoothing floor:

Apply Arturo PU2030 self-smoothing floor in a layer thickness of 2 mm.

Scratch coat on UZIN RR 189 insulating underlay:

Stir component A thoroughly. Add component B and mix for at least 3 minutes with an electrical mixer (speed ca. 300 – 400 rpm). Add 1% Arturo Thixotropic Agent and mix for two minutes. Pour the mixture onto the subfloor and distribute using a smoothing trowel in a cross-wise scraping motion.

Surface appearance:

For a decorative surface, strew the still wet surface with Arturo Flakes.

Coatings/sealers:

Arturo PU7750 / PU7320 / PU7180 There are many possible applications. Arturo PU7320 is just allowed in combination with a first layer of PU7750.

For special system structures contact our Technical Support team.

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: 70%

Important: The individual components must be acclimatised in the working area prior to use for at least 24 hours. Always apply products from the same batch number on the floor to prevent color differences. The batch number is on the packaging label.

Processing instructions for Arturo PU2030

Stir component A thoroughly. Add component B and mix for at least 2 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 subfloor and distribute with a flat trowel to the desired layer thickness. Thereafter roll the fresh surface with a spiked roller to remove any air bubbles. To prevent colour variations on the floor, do not wait longer than 10 minutes before applying the next bucket against the material that is already on the floor.

Safety information:

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

Cleaning tools

Clean tools and equipment immediately after use. Fully hardened material can only be removed by mechanical means.

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.

Protection of the Workplace and the Environment

Solvent-free. Not flammable.

Component A: Requires no special protection or precautions in general use.

Component B: Contains isocyanates.

Harmful on inhalation. Irritating to eyes, respiratory system and skin.

May cause sensitisation by inhalation and skin contact. Use barrier cream, protective gloves and safety-goggles. Provide good ventilation. 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.

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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