

 **arturo**<sup>®</sup>  
UNIQUE FLOORING

Resin flooring  
systems & components  
**what a floor can do.**



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# We are Arturo – our floors have a long history

Welcome to Arturo. We are a specialist manufacturer of resin floors and offer a wide range of self-smoothing floors, resin screeds, pebble floors, coatings and sealers for the industrial sector, public buildings, offices and residential use. Arturo is a brand of Uzin Utz AG, a leading international manufacturer of flooring systems with over a 100 years of expertise. The floors are produced by Uzin Utz Nederland B.V., a Dutch subsidiary company.

Since its founding in 1911 our parent company has grown from a regional adhesive manufacturer into a global supplier of floor systems. The company has a reputation for its products, services and innovation in the area of new flooring and floor renovation. We benefit from this in-depth expertise and put the focus on the development of new and advanced resin flooring.

# Holistic and responsible approach

At Arturo our aim is to live and work in such a way that everything we create is sustainable and will be there for future generations. That's why we take a holistic, long-term and environmental approach.

This philosophy influences not only our products and production processes but also manifests itself in our company headquarters, which is one of the most sustainable buildings in the Netherlands.



## Ecological and sustainable

Arturo floors meet the needs for sustainable buildings for LEED, BREEAM and DGNB certification. All products are solvent-free, low in emissions and manufactured in accordance with ISO 9001 and ISO 14001. Regular internal and external quality checks as well as compliance with statutory regulations such as those of the AgBB (German Committee for Health-Related Evaluation of Building Products) are a priority for us. Using Environmental Product Declarations (EPDs) we provide comprehensive information about the environmental effects of Arturo products during their whole life cycle.



## Green roof

The roof is covered with vegetation, with the plants providing insulation against heat, cold and noise. The plants bind CO<sub>2</sub> and fine dust particles from the air. Rainwater is collected and utilized for flushing the toilets.



## CO<sub>2</sub>-neutral production

The heating of the buildings and the heat required in production areas is generated by a combination of pellet heating and geothermal heat using a heat pump. As soon as additional heating is required, this is generated from the biomass fuelled pellet heating. The overall operation of the buildings and production is CO<sub>2</sub> neutral.



## Intelligent building

The air, light and temperature are sensor-controlled, meaning the work conditions are always ideal. The taps, showers and toilets are designed so that water consumption is minimal.

# Flooring solutions for all requirements

No two floors are alike. The surroundings, position within the building and loads on a floor mean that no two floors have the same requirements. For example, production halls, storage areas, shop floors, schools, health centres, offices and homes all put different demands on flooring.

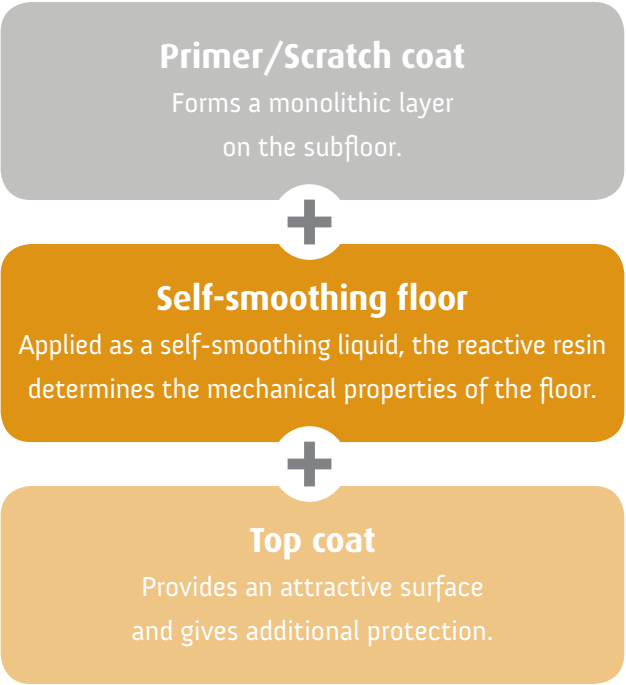
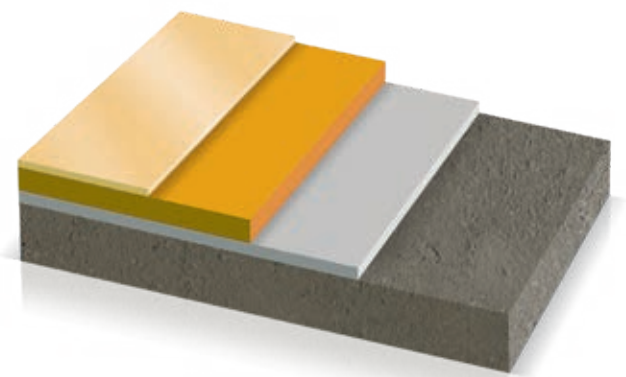
Polyurethane and epoxy resin floors are unique in the way they are able to meet the specific demands of these different floor areas. A primer first forms a monolithic layer on the subfloor. The next layer, the self-smoothing floor or coating provides the desired floor properties. The top sealer then provides a suitable appearance and gives additional protection.

Arturo floor systems can be installed without seams. The result is a seamless, easy-to-clean and durable surface. The floor/wall connection can also be designed so the skirting has a seamless chamfer.

Features such as high chemical, mechanical or thermal resistance, slip-resistant properties, UV stability, and insulation can be provided as well as special requirements such as electrical conductivity.

Arturo floor systems truly have limitless designs. Whether via colour, flakes, a concrete look, individual design or graphic encapsulation, there is a suitable Arturo system to meet your every need.

System example:  
**HEAVY-DUTY FLOOR SYSTEMS**



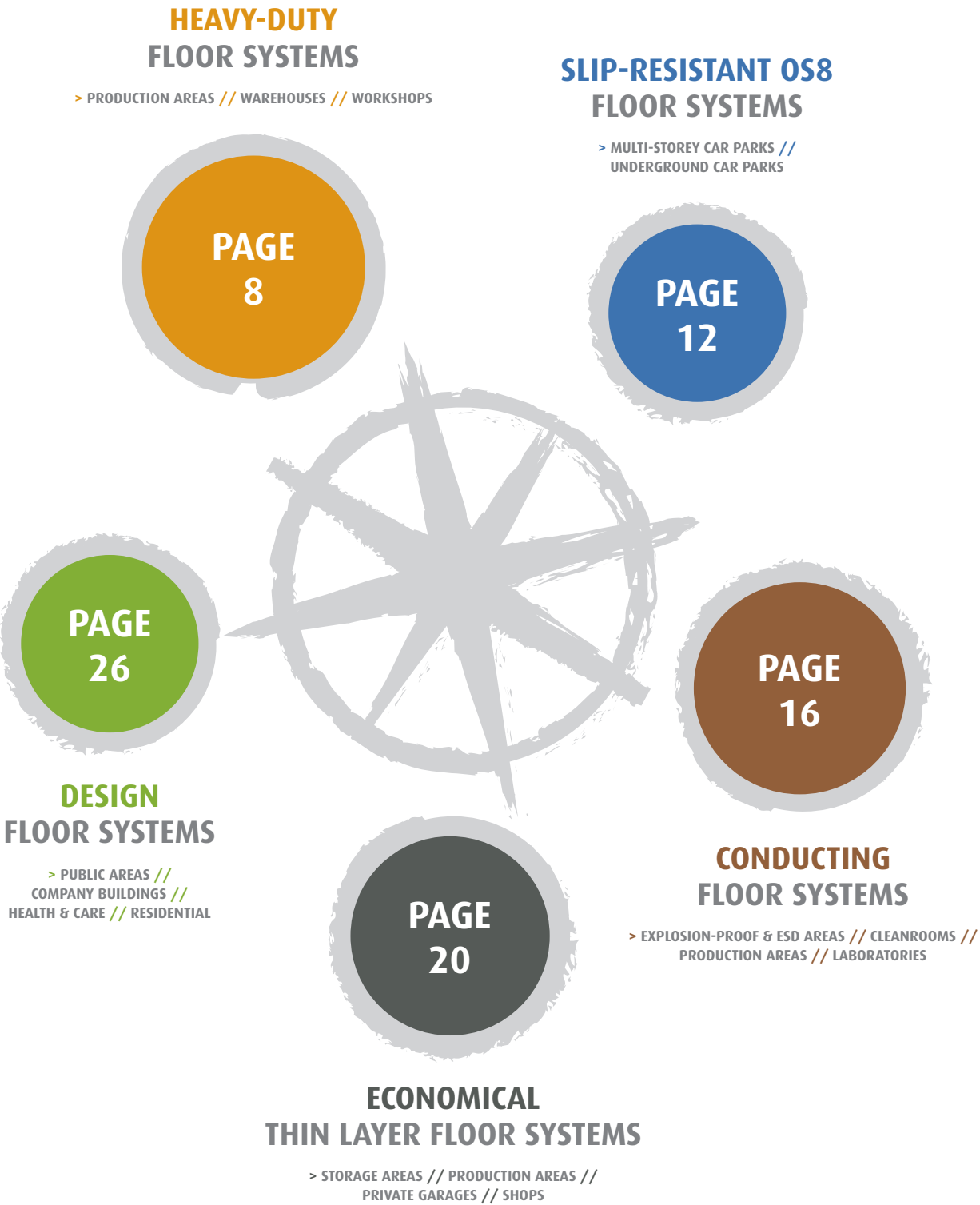
## Modular & customised



Arturo uses modular system components which are combined as necessary to meet the requirements of your specific floor. This means that each floor system is precisely customised to meet your flooring needs.

This overview covers the most popular floor systems and outlines their key benefits.

For simplicity, these are categorised into the following:







# PRODUCTION AREAS // WAREHOUSES // WORKSHOPS > **HARD // ABRASION RESISTANT // HEAVY-DUTY!**

## HEAVY-DUTY FLOOR SYSTEMS

Whether it is warehouse racking or heavy vehicles, industrial floors exposed to high mechanical loads require durable floor coatings. Arturo multilayer systems are proven all-rounders. By adapting the layer composition, surface finish and design, suitable floors are available for almost all sectors of industry. Epoxy resin systems such as Arturo EP1000/EP1200/EP1250 resin screeds and Arturo EP2500 are ideal where there are high mechanical loads. They are hard, abrasion resistant and compression resistant.

For production and assembly areas that are exposed to only light and moderate loads, polyurethane floor systems such as Arturo PU2060 are often the more effective solution. Due to their high elasticity, Arturo PU floors are very flexible. All product variants have high chemical resistance. The EP2500 and PU2060 floor systems are available in many colours and are also particularly suitable for colour coding systems or for indicating specific production areas.

### System benefits

- > High abrasion resistance and compression resistance
- > High chemical resistance
- > Slip-resistant (DIN 51130)
- > Flexible variant (Arturo PU2060)
- > Coating compliant variant (Arturo EP2500)
- > Food industry compliant variants (Arturo EP2500 & PU2060)
- > Self-smoothing\*, seamless
- > Fast curing and quickly suitable for heavy loads
- > No pores, impermeable to liquids

\* only Arturo EP2500 and PU2060



- > Hygienic, for clean and dust-free production areas
- > Low maintenance costs due to the smooth, easy-to-clean surface
- > Versatile – use coloured surfaces for highlighting specific areas
- > Abrasion resistant

### System information

#### Coating system:

Multilayer system based on EP or PU resin

#### Features:

Customised layer thickness allows precise adaptation to your requirements

#### Load limit:

From light to heavy mechanical loads depending on the layer thickness

#### Areas of use:

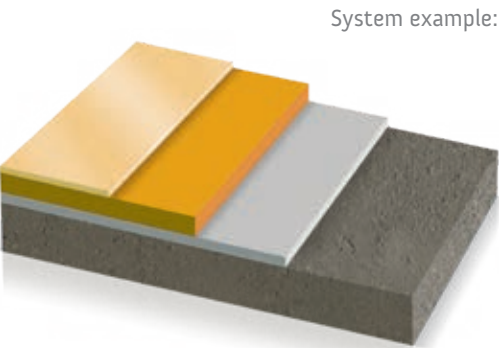
Industrial production areas, storage areas, workshops, automotive and food industries

#### Relevant standards:

DIN EN 1504-2: Products and systems for the protection and maintenance of concrete structures  
DIN EN 13813: Screed mortar and floor screeds – properties and requirements



Arturo PU2060 Floor System



Tough and resilient floor system with versatile design options

LAYER THICKNESS: 2 to 4 mm

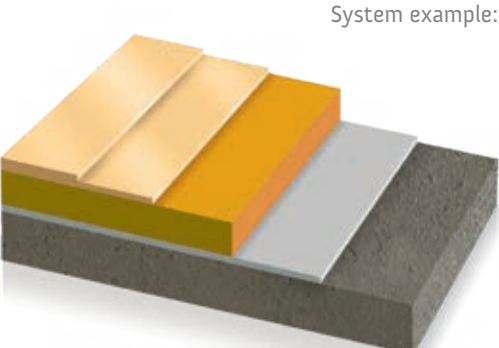
USAGE: Light- to medium-duty

- SUBFLOOR/CONCRETE
- PRIMER/SCRATCH COAT (for information see page 34):
  - Arturo EP6500 Primer
  - Arturo EP6200 Scratch Coat
- SELF-SMOOTHING FLOOR (for information see page 36):
  - Arturo PU2060 Self-smoothing Floor
- TOP COAT (for information see page 38):

- Coloured sealers:
- Arturo PU3320 Sealer (satin, UV-stable)
  - Arturo PU7900 Sealer (semi-gloss, UV-stable)
- Transparent sealers:
- Arturo PU7180 Sealer (gloss)
  - Arturo PU7975 Sealer (satin)

Slip-resistance classes (testing of floor coverings according to DIN 51130)					
*For Pendulum test values (PTV) used in the UK please contact us for more information.					
Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo PU2060 Self-smoothing Floor					
+ Arturo PU3320 Sealer		•			
+ Arturo PU7180 Sealer	•				
+ Arturo PU7900 Sealer		•			
+ Arturo PU7975 Sealer		•			

Arturo EP1000/EP1200/EP1250 Floor System



For high demands on the mechanical, chemical and thermal resistance

LAYER THICKNESS: 6 to 12 mm

USAGE: Medium- to heavy-duty

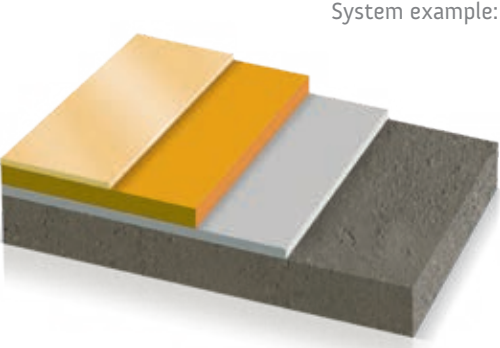
- SUBFLOOR/CONCRETE
- PRIMER/SCRATCH COAT (for information see page 34):
  - Arturo EP6500 Primer
- RESIN SCREED (for information see page 36):
  - Arturo EP1000 Resin Screed
  - Arturo EP1200 Resin Screed
  - Arturo EP1250 Resin Screed
- TRANSPARENT SEALER (for information see page 38):
  - Arturo EP7950 Sealer (gloss)
- TOP COAT (for information see page 38):

- Transparent sealers:
- Arturo EP7610 Sealer (extra matt)

Slip-resistance classes: See page 11, table above

Slip-resistance classes (testing of floor coverings according to DIN 51130)					
*For Pendulum test values (PTV) used in the UK please contact us for more information.					
Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo EP1000/1200/1250 Resin Screed					
+ Arturo EP7610 Sealer		•			
+ Arturo EP7610 Sealer + 5% Ballotini (75-150 µm)		•			
+ Arturo Slip-resistant Agent	•				

Arturo EP2500 Floor System



Durable epoxy resin with versatile design options

LAYER THICKNESS: 2 to 4 mm

USAGE: Medium- to heavy-duty

- SUBFLOOR/CONCRETE
- PRIMER/SCRATCH COAT (for information see page 34):
  - Arturo EP6500 Primer
  - Arturo EP6200 Scratch Coat
- SELF-SMOOTHING FLOOR (for information see page 36):
  - Arturo EP2500 Self-smoothing Floor
- TOP COAT (for information see page 38):

- Coloured coatings/sealers:
- Arturo EP3900 Floor Coating (gloss)
  - Arturo EP3910 Floor Coating, slip-resistant (gloss)
  - Arturo PU3320 Sealer (satin, UV-stable)
  - Arturo PU7900 Sealer (semi-gloss, UV-stable)
- Transparent sealers:
- Arturo EP3950 Sealer (gloss), blinded with EP-floor covering (flakes) or gritted EP-floor covering
  - Arturo EP7610 Sealer (extra matt)

Slip-resistance classes (testing of floor coverings according to DIN 51130)					
*For Pendulum test values (PTV) used in the UK please contact us for more information.					
Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo EP2500 Self-smoothing Floor					
+ Arturo EP3900 Floor Coating + 10% Arturo Ballotini (180-300 µm)		•			
+ Arturo EP3900 Floor Coating blinded with quartz sand (0.3-0.8 mm)			•		V6
+ Arturo EP3900 Floor Coating blinded with quartz sand (0.6-1.2 mm)				•	V6
+ Arturo EP3910 Floor Coating (250 g/m²)		•			
+ Arturo EP3910 Floor Coating (350 g/m²)	•				
+ Arturo EP3950 Sealer + 30% Arturo Ballotini (180-300 µm)		•			
+ Arturo EP3950 Sealer + 30% Arturo Ballotini (250-425 µm)		•			
+ Arturo EP3950 Sealer blinded with quartz sand (0.3-0.8 mm)			•		V4
+ Arturo EP7610 Sealer		•			
+ Arturo EP7610 Sealer + 5% Ballotini (75-150 µm)		•			
+ Arturo Slip-resistant Agent	•				



# MULTI-STOREY CAR PARKS // UNDERGROUND CAR PARKS

## > HEAVY-DUTY // ABRASION RESISTANT // SLIP-RESISTANT!

## SLIP-RESISTANT OS8 FLOOR SYSTEMS

The surface of a multi-storey car park is exposed to extreme mechanical and chemical loads (e.g. fuel, road salt, temperature variations and moisture). The use of abrasion-resistant floor systems provides durable protection for the surfaces of multi-storey and underground car parks. Therefore, these floors ensure the long term functionality and economic viability of these car parks. Slip-resistant Arturo OS8 systems

(DAfStb 2001) are suitable for new projects, renovation and rapid maintenance work to areas in contact with the ground, intermediate decks, ramps and walkways. Along with accompanying crack repair, easy and economic maintenance is possible.

A large range of colours are available, enabling text and colour accents to be used to customise the parking area.

### System benefits

- > Seamless
- > High resistance to wear and abrasion, suitable for wheels
- > Resistant to fuels, oil and road salt
- > Tested against rising damp
- > Simple, economical system structure
- > Low weight per unit area
- > Resistant to weathering



- > Slip-resistant: good grip, even in wet conditions
- > Long life durable surface
- > Low maintenance costs due to the easy-to-clean and insensitive surface
- > Large range of colours for highlighting different parking areas

### System information

#### Coating system:

Rigid coating for surfaces exposed to vehicles and high mechanical loads in accordance with Rili DAfStb OS8; multilayer system based on EP resin

#### Features:

High abrasion resistance, slip-resistant, resistant to road salt, petrol, oil and diesel

#### Areas of use:

Multi-storey and underground car parks: Floor ("white tank" design), intermediate decks, ramps and walkways

#### Relevant standards:

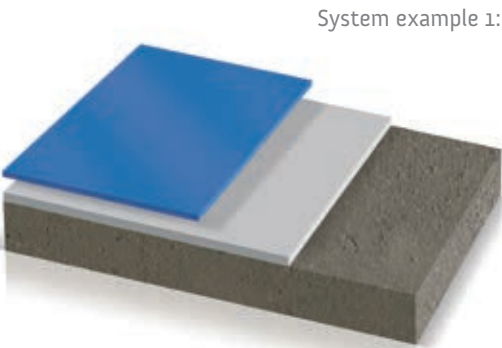
DIN 1045 Version 2008: Structures made of concrete and reinforced concrete Part 1: Sizing and design guideline "Protection and maintenance of concrete components according to the German Committee for Reinforced Concrete (DAfStb)", October 2001, incl. 2nd amendment 2005 DIN V 18026: "Surface protection systems for concrete components in accordance with DIN EN 1504-2" (July 2006) for new projects and renovation work

#### Other systems for walkways/stairways:

- Arturo EP3020 Floor System (see page 22)
- Arturo EP3910 Floor System (see page 24)



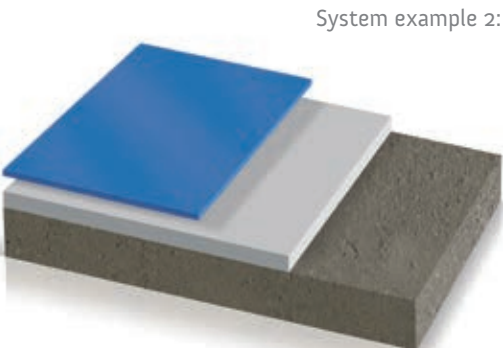
# Arturo OS8 Floor System



**MINIMUM LAYER THICKNESS (dmin): 1.5 mm**  
Only permitted for pure protective measures according to DIN EN 13813

- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 34):
- Arturo EP6955 Primer OS8, mixed with quartz sand 0.1-0.5 mm, consumption 900 g/m<sup>2</sup> (each 450 g/m<sup>2</sup> Arturo EP6955 Primer and quartz sand), fully gritted with quartz sand 0.3-0.8 mm

- COATING** (for information see page 38):
- Coloured coatings:**
- Arturo EP3900 Floor Coating (gloss), consumption approx. 700-800 g/m<sup>2</sup>
- USAGE:** For surfaces subjected to high mechanical loads according Rili DAfStb OS8



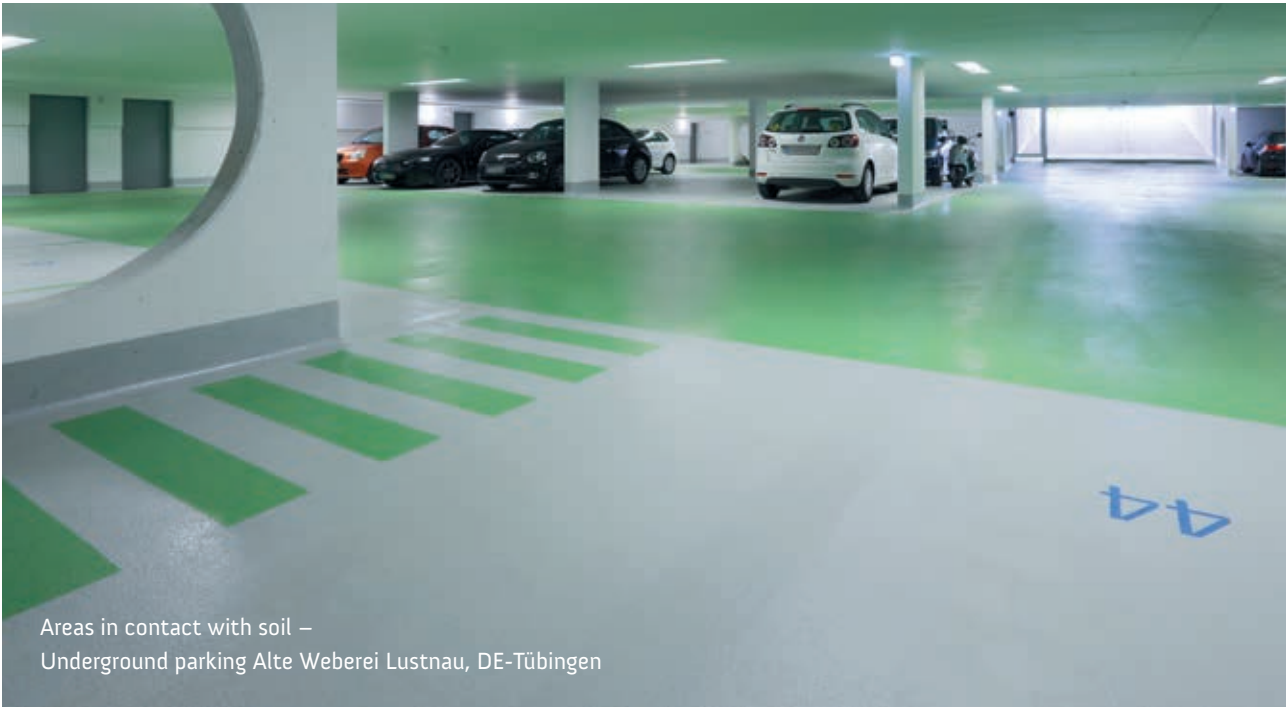
**MINIMUM LAYER THICKNESS (dmin): 2.5 mm**  
For base plates according to DIN 1045-1 (belonging to the supporting framework), decks, ramps, and walkways

- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 34):
- Arturo EP6955 Primer OS8, mixed with quartz sand 0.3-0.8 mm, consumption 1600 g/m<sup>2</sup> (each 800 g/m<sup>2</sup> Arturo EP6955 Primer and quartz sand), fully gritted with quartz sand 0.3-0.8 mm

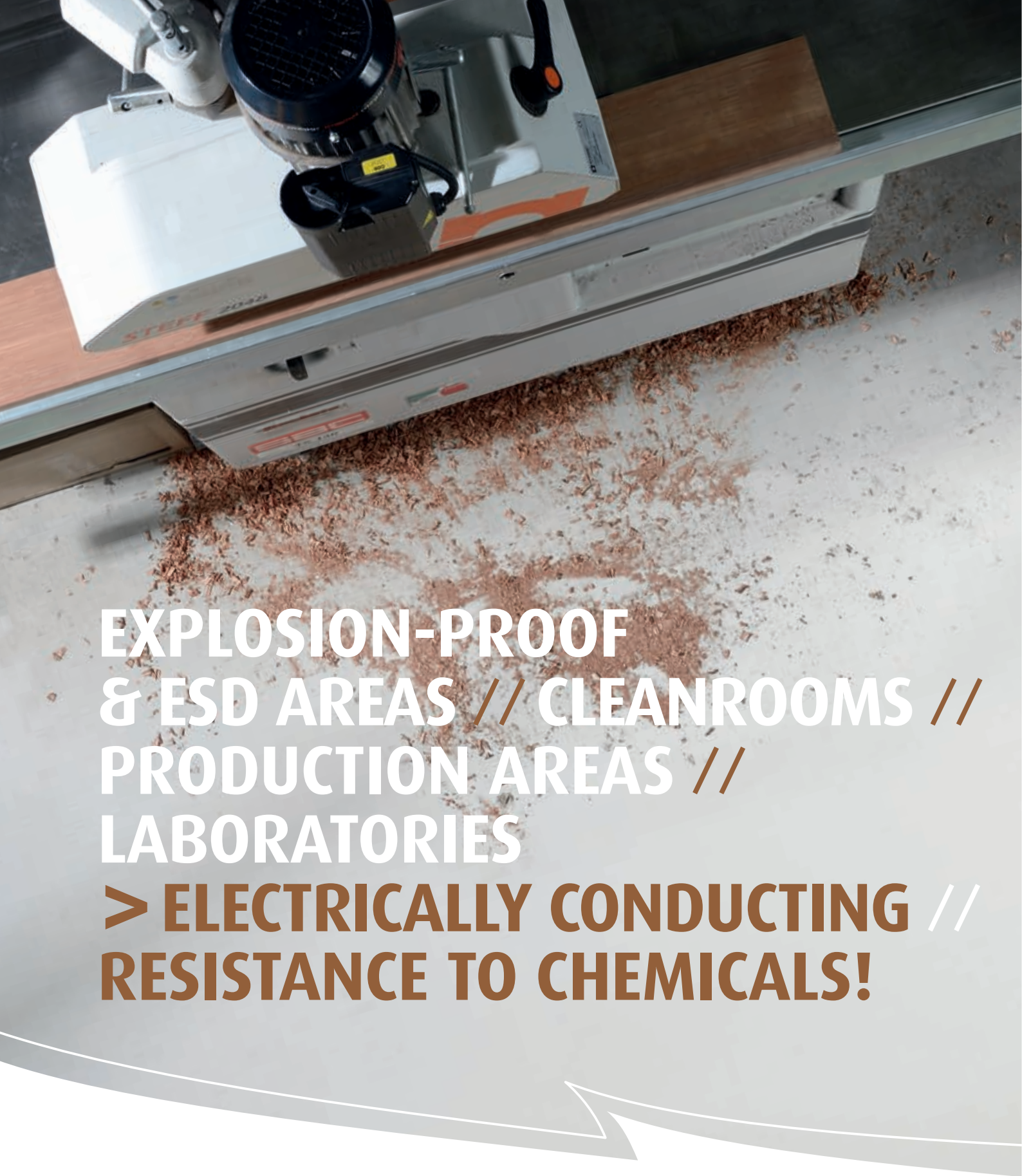
- COATING** (for information see page 38):
- Coloured coatings:**
- Arturo EP3900 Floor Coating (gloss), consumption approx. 700-800 g/m<sup>2</sup>
- USAGE:** For surfaces subjected to high mechanical loads according Rili DAfStb OS8

Slip-resistance classes (testing of floor coverings according to DIN 51130)		
*For Pendulum test values (PTV) used in the UK please contact us for more information.		
Floor system/system component	Slip-resistance*	Displacement volume
Arturo EP6955 Primer OS8 + quartz sand (0.3-0.8 mm) + Arturo EP3900 Floor Coating	R11	V6

Slip-resistance classes (testing of floor coverings according to DIN 51130)		
*For Pendulum test values (PTV) used in the UK please contact us for more information.		
Floor system/system component	Slip-resistance*	Displacement volume
Arturo EP6955 Primer OS8 + quartz sand (0.3-0.8 mm) + Arturo EP3900 Floor Coating	R11	V6







**EXPLOSION-PROOF  
& ESD AREAS // CLEANROOMS //**  
**PRODUCTION AREAS //**  
**LABORATORIES**  
**> ELECTRICALLY CONDUCTING //**  
**RESISTANCE TO CHEMICALS!**

# CONDUCTING FLOOR SYSTEMS

A conducting floor is essential in situations where electrical charging is a hazard for people and equipment. Besides technical and laboratory areas, this also concerns explosion-proof areas where powders, gases and solvents are produced. Examples include bakeries, companies where milling is undertaken and the metalworking industry. Even the smallest spark due to uncontrolled electrical discharge has the ability to cause an enormous explosion. In ESD areas and cleanrooms in the

electrical, electronics, microelectronics, automotive and biotechnology industries, top priority is put on protecting electronic components against electrostatic discharge. The electrically conducting systems Arturo EP2480 (explosion protection) and EP2490 (ESD & cleanrooms) provide protection against the uncontrolled build up of electrical charge and uncontrolled electrical discharge and are customised to the required voltage window and typical loads.

## System benefits

- > Electrically conducting
- > No pores, impermeable to liquids
- > Self-smoothing, seamless
- > Resistance to chemicals
- > Coating compliant variant (Arturo EP2490)
- > Abrasion resistant and compression resistant



- > Suitable for new projects and renovation of existing floors
- > Rapid curing for quick utilisation of the floor
- > Long life due to the high wear resistance and low abrasion
- > Low maintenance costs due to the smooth, easy-to-clean surface
- > Range of colours available

## System information

### Coating system:

Multilayer system based on EP resin

### Features:

Permanently conducting and resistant to chemicals

### Load limit:

From light to moderate mechanical loads depending on the layer thickness

### Areas of use:

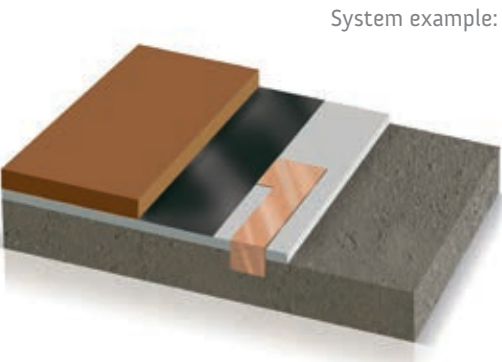
Arturo EP2480 Self-smoothing Floor:  
Areas having special requirements on the electrical conductivity, for example explosion-proof areas, munitions stores, industrial production areas, technical areas and laboratories

Arturo EP2490 Self-smoothing Floor:  
ESD protected zones and cleanrooms needing low electrostatic charge build up and a conducting surface including production areas, laboratories, warehouses and workshops in the electrical, electronics, microelectronics, automotive and biotechnology industries

### Relevant standards:

See the table (standards)

# Arturo EP2480 Floor System (explosion protection)



- System example:
- SUBFLOOR/CONCRETE
  - PRIMER/SCRATCH COAT (for information see page 34):
    - Arturo EP6500 Primer
    - Arturo EP6200 Scratch Coat
  - COPPER TAPE/CONDUCTING SET
  - CONDUCTIVE PRIMER (for information see page 34):
    - Arturo EP6400 Primer
  - SELF-SMOOTHING FLOOR (for information see page 36):
    - Arturo EP2480 Self-smoothing Floor

Ideally suited to explosion-protected areas with high requirements on electrical conductivity

LAYER THICKNESS: Approx. 1.5 mm

USAGE: Light- to medium-duty

## Slip-resistance classes (testing of floor coverings according to DIN 51130)

Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo EP2480 Self-smoothing Floor	•				

\*For Pendulum test values (PTV) used in the UK please contact us for more information.

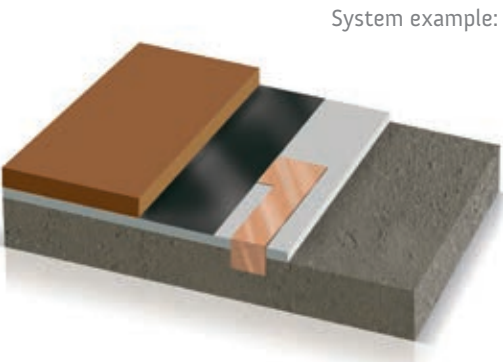
## Standards

Requirement/measurement standard	Required measurement values
Explosion protection (save & fast conduction)	
BGR 132/DIN EN 1081	Earth resistance < 10 <sup>8</sup> Ω, explosives < 10 <sup>6</sup> Ω
ESD-protection (conduction within given resistance window, not too fast)	
EN 61340-5-1/EN 61340-4-1 (using earthing wrist strap)	Earth resistance < 10 <sup>9</sup> Ω



Arturo EP2480 Floor System at A1 Electronics Netherlands B. V., NL-Almelo

# Arturo EP2490 Floor System (ESD & cleanrooms)



- System example:
- SUBFLOOR/CONCRETE
  - PRIMER/SCRATCH COAT (for information see page 34):
    - Arturo EP6500 Primer
    - Arturo EP6200 Scratch Coat
  - COPPER TAPE/CONDUCTING SET
  - CONDUCTIVE PRIMER (for information see page 34):
    - Arturo EP6400 Primer
  - SELF-SMOOTHING FLOOR (for information see page 36):
    - Arturo EP2490 Self-smoothing Floor

Ideally suited to ESD protection zones (Electro Static Discharge) and cleanrooms where a low electrostatic charge (Body Voltage) and conductive surface (EPA = Electrostatic Protected Area) is required

LAYER THICKNESS: Approx. 2 mm

USAGE: Light- to medium-duty

## Slip-resistance classes (testing of floor coverings according to DIN 51130)

Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo EP2490 Self-smoothing Floor	•				

\*For Pendulum test values (PTV) used in the UK please contact us for more information.

## Standards

Requirement/measurement standard	Required measurement values
ESD-protection (conduction within given resistance window, not too fast)	
EN 61340-5-1/EN 61340-4-1 (using earthing wrist strap)	Earth resistance < 10 <sup>9</sup> Ω
EN 61340-5-1/EN 61340-4-5 (earthing via floor)	System resistance (people/shoe/floor) < 10 <sup>9</sup> Ω + Personnel charging (walking test) < 100 volt
Personnel protection by power installations with rated voltage up to 100 v	
DIN VDE 0100-410	Earth resistance < 500 volt: ≥ 5 x 10 <sup>4</sup> Ω, > 500 volt: ≥ 10 x 10 <sup>4</sup> Ω



Arturo EP2490 Floor System for ESD-protected areas





**STORAGE AREAS //  
PRODUCTION AREAS //  
PRIVATE GARAGES // SHOPS  
> ECONOMICAL // DURABLE //  
EFFECTIVE!**

## ECONOMICAL THIN LAYER FLOOR SYSTEMS

Arturo thin layer floor systems provide a cost-effective solution in areas having light to moderate loads.

Arturo epoxy resin or polyaspartic floor finishes are often installed in storage areas, assembly areas and shops as they are easy to use and cost effective. Due to their excellent coverage,

it is not normally necessary for more than two coats. A first layer and finishing layer are applied to concrete. That saves material, time and money. Their extremely robust providing a coating which is long life.

### System benefits

- > Dust-binding, seamless, durable
- > Smooth or slip-resistant surfaces
- > Can be renewed multiple times
- > Water vapour permeable variants (Arturo EP3020, EP3800 for walls)
- > Food industry compliant variants (Arturo EP3020, EP3600/EP3610, EP3900/EP3910)
- > Rapid drying, UV stable variant (Arturo PAS3790)



- > Protects surfaces, enhances the abrasion resistance and makes cleaning easier
- > Cost-effective solution due to easy installation and low material usage
- > Large selection of colours, shiny appearance
- > Water vapour permeable variant: Universal use on subfloors in contact with the ground, magnesia and gypsum screeds
- > Rapid drying variant: Rapid reutilisation of the floor surface
- > Low emissions in accordance with AgBB, approved by DIBt (Arturo EP3900)

### System information

#### Coating system:

Single layer or multilayer system based on EP resin or aspartic acid ester. Available as water vapour permeable, structured, slip-resistant, food industry compliant and rapid drying variants

#### Features:

Durable, fast to apply and economical

#### Load limit:

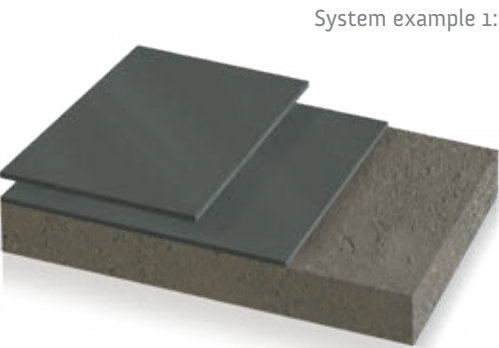
Suitable for light to moderate loads

#### Areas of use:

Production areas, storage areas, technical areas, shops, cellars, store rooms, private garages, stairways, galleries, balconies/loggias\*

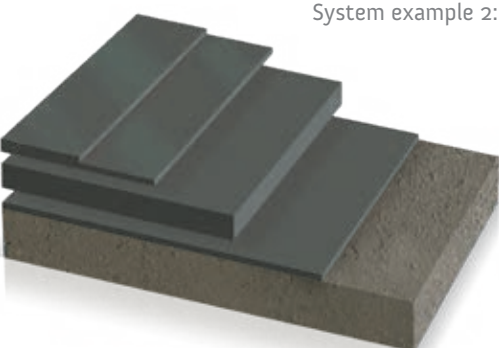
\* only Arturo PAS3790 Floor System

# Arturo EP3020 Floor System



System example 1:

Vapour-permeable EP-floor coating for effective and durable surface protection



System example 2:

Vapour-permeable EP-floor coating multilayered system

**LAYER THICKNESS:** 1 to 2 mm

**USAGE:** Light- to medium-duty

- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 38):
  - Arturo EP3020 Floor Coating
- COATING** (for information see page 38):

**Coloured coatings:**

  - Arturo EP3020 Floor Coating (semi-gloss)
- OPTIONAL SEALERS** (for information see page 38):

**Transparent sealers:**

  - Arturo EP7610 Sealer (extra matt)

**LAYER THICKNESS:** < 0.5 mm

**USAGE:** Light- to medium-duty

- SUBFLOOR/CONCRETE**
- PRIMER** (for information see page 38):
  - Arturo EP3020 Floor Coating
- SCRATCH COAT** (for information see page 38):
  - Arturo EP3020 Floor Coating, mixed with quartz sand
- COATING** (for information see page 38):

**Coloured coatings:**

  - Arturo EP3020 Floor Coating (semi-gloss)
- OPTIONAL COATINGS/SEALERS** (for information see page 38):

**Coloured coatings:**

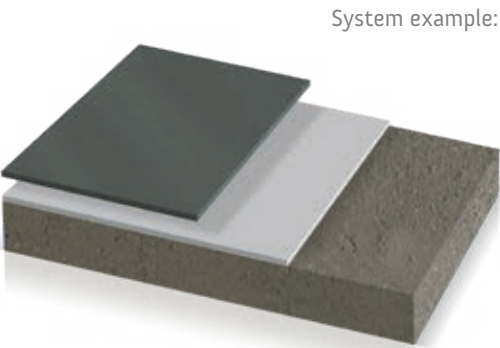
  - Arturo EP3020 Floor Coating (semi-gloss)

**Transparent sealers:**

  - Arturo EP7610 Sealer (extra matt)

Slip-resistance classes (testing of floor coverings according to DIN 51130)					
Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo EP3020 Floor Coating	•				
+ 5% Arturo Ballotini (75-150 µm)		•			
+ 10% filler (50% Geba sand 0.06-0.3 mm + 50% quartz sand mixture 0.1-0.3 mm)			•		V4
Arturo EP3020 Primer + Arturo EP3020 Scratch Coat with Geba sand 0.06-0.3 mm at a ratio of 1:1, blinded with quartz sand 0.3-0.8 mm + Arturo EP3020 Floor Coating				•	V4
+ Arturo EP7610 Sealer		•			

# Arturo EP3280 Floor System



System example:

Durable, structured floor coating for dry mineral surfaces

- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 34):
  - Arturo EP6500 Primer
  - Arturo EP6200 Scratch Coat
- COATING** (for information see page 38):

**Coloured coatings:**

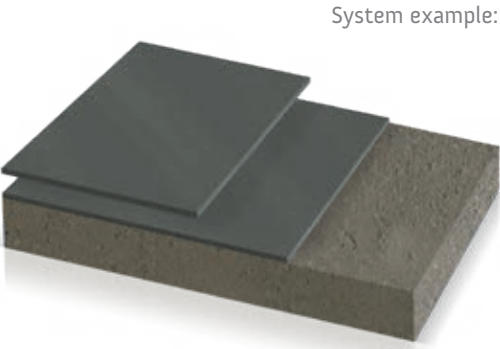
  - Arturo EP3280 Floor Coating (structured, gloss)

**LAYER THICKNESS:** < 1 mm

**USAGE:** Light- to medium-duty

Slip-resistance classes (testing of floor coverings according to DIN 51130)					
Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo EP3280 Structured Floor Coating					
+ 10% quartz sand (0.1-0.5 mm)		•			

# Arturo EP3600/3610 Floor System



System example:

Vapour-permeable EP-floor coating for effective and durable surface protection

**LAYER THICKNESS:** < 1 mm

**USAGE:** Light- to medium-duty

- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 34):
  - Arturo EP3600 Floor Coating (semi-gloss)
- COATING** (for information see page 38):

**Coloured coatings:**

  - Arturo EP3600 Floor Coating
  - Arturo EP3610 Floor Coating, slip-resistant (semi-gloss)
- OPTIONAL SEALERS** (for information see page 38):

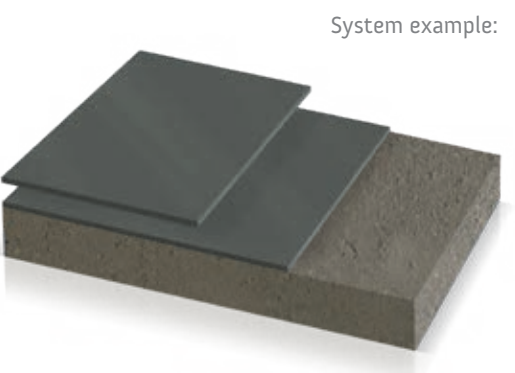
**Transparent sealers:**

  - Arturo EP7610 Sealer (extra matt)

Slip-resistance classes (testing of floor coverings according to DIN 51130)					
Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo EP3600 Floor Coating					
+ Arturo EP3610 Floor Coating		•			



# Arturo EP3900/EP3910 Floor System



System example:

**SUBFLOOR/CONCRETE**

**PRIMER/SCRATCH COAT** (for information see page 38):

- Arturo EP3900 Floor Coating

**COATING** (for information see page 38):

**Coloured coatings:**

- Arturo EP3900 Floor Coating (gloss)
- Arturo EP3910 Floor Coating, slip-resistant (gloss)

**OPTIONAL SEALERS** (for information see page 38):

**Transparent sealers:**

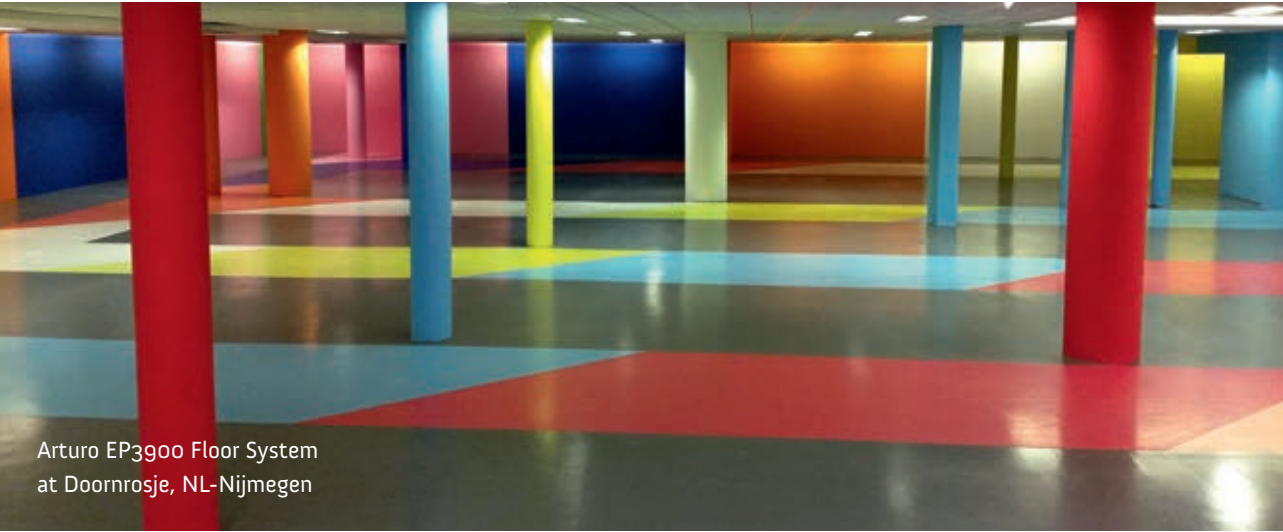
- Arturo EP3950 Sealer (gloss) blinded with EP-floor covering (flakes) or gritted EP-floor covering
- Arturo EP7610 Sealer (extra matt)

Economic EP-floor coating for effective and long lasting surface protection

**LAYER THICKNESS:** < 0.5 mm

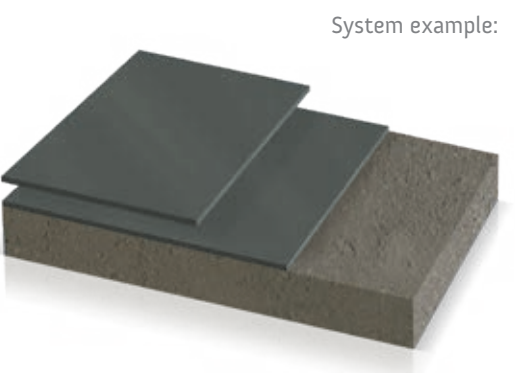
**USAGE:** Light- to medium-duty

Slip-resistance classes (testing of floor coverings according to DIN 51130)					
*For Pendulum test values (PTV) used in the UK please contact us for more information.					
Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo EP3900/EP3910 (slip-resistant) Floor Coating					
Arturo EP3900 Floor Coating blinded with quartz sand (0.6-1.2 mm)				•	V6
Arturo EP3900 Floor Coating blinded with quartz sand (0.3-0.8 mm)			•		V6
Arturo EP3910 Floor Coating (250 g/m²)		•			
Arturo EP3910 Floor Coating (350 g/m²)	•				
+ Arturo EP3950 Sealer + Arturo Ballotini (180-300/250-425 µm)		•			
+ Arturo EP3950 Sealer blinded with quartz sand (0.3-0.8 mm)			•		V6
+ Arturo EP7610 Sealer		•			



Arturo EP3900 Floor System at Doornrosje, NL-Nijmegen

# Arturo PAS3790 Floor System



System example:

**SUBFLOOR/CONCRETE**

**PRIMER/SCRATCH COAT** (for information see page 38)

- Arturo PAS3790 Floor Coating

**COATING** (for information see page 38):

**Coloured coatings:**

- Arturo PAS3790 Sealer (gloss)


**LAYER THICKNESS:** < 1 mm

**USAGE:** Light- to medium-duty

Fast-drying, UV-stable coating for durable surface protection indoor and outdoor

Slip-resistance classes (testing of floor coverings according to DIN 51130)					
*For Pendulum test values (PTV) used in the UK please contact us for more information.					
Floor system/system component	Slip-resistance*				Displacement volume
	R9	R10	R11	R12	
Arturo PAS3790 Floor Coating					
+ 7.5% quartz sand (0.1-0.3 mm)		•			
+ 10% Arturo Ballotini (180-300 µm)		•			
+ blinded with quartz sand (0.3-0.8 mm)			•		V4

# Arturo EP3800 Wall System



System example:

**SUBFLOOR/CONCRETE**

**PRIMER** (for information see page 38):

- Arturo EP3800 Wall Coating

**COATING** (for information see page 38):

**Coloured Coatings:**

- Arturo EP3800 Wall Coating (matt)

**LAYER THICKNESS:** < 1 mm

**USAGE:** Light- to medium-duty

Vapour-permeable wall coating for wall surfaces requiring protection



**PUBLIC AREAS //**  
**COMPANY BUILDINGS //**  
**HEALTH & CARE //**  
**RESIDENTIAL**  
**> DIVERSE //**  
**ATMOSPHERIC //**  
**INDIVIDUAL!**

## DESIGN FLOOR SYSTEMS

In schools, shops, foyers, offices, doctors' surgeries and homes, aspects such as the interior decor, atmosphere and attractiveness play a significant role.

But the appearance of the floors also needs to be combined with functionality. In addition to a positive first impression, the acoustics, comfort underfoot, sound insulation and easy maintenance are especially important. These are properties which the Arturo PU2030 and PU2060 floor systems possess.

### System benefits

- > Self-smoothing, seamless (PU)
- > Flexible (PU)
- > Smooth or slip-resistant surfaces
- > Heat and footstep insulation (PU)
- > Abrasion resistant
- > Resistant to chemicals
- > Food industry compliant variant (Arturo PU2060)
- > UV and light stable variant (Arturo PU2030)



- > Suitable for chairs with castors, underfloor heating (PU)
- > Hygienic and no pores
- > Low maintenance costs due to the smooth, easy-to-clean surface
- > Individual floor design
- > Low emissions in accordance with AgBB, approved by DIBt (PU)
- > Exceptional comfort underfoot

Low emissions and AgBB-compliant, Arturo polyurethane resin floors meet the highest quality and health requirements. A infinite number of design options are possible, from the colour of the corporate design to a concrete look and graphic encapsulation. An Arturo floor gives each room the desired ambience. Arturo pebble floors, which are decorative and hard wearing, complete the Arturo portfolio.

### System information

#### Coating system:

Multilayer system based on PU or EP resin

#### Features:

Individual floor designs can be created via the Arturo Design Studio. The design can be adapted to your corporate identity or to the desired ambience

#### Load limit:

Suitable for light to moderate loads depending on the layer thickness

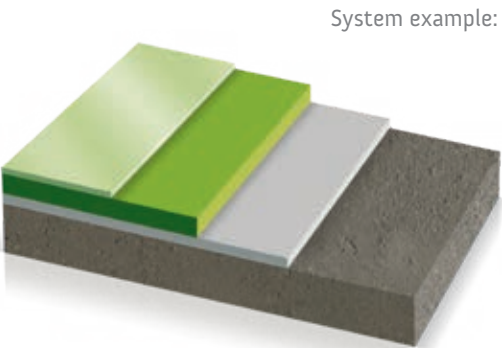
#### Areas of use:

Schools, nurseries, care homes, hospitals, doctors' surgeries, shops, offices, social areas, canteens, foyers, showrooms, restaurants, homes

> **DISCOVER THE ARTURO COLOUR COLLECTION WITH 80 TRENDY COLOURS AT [ARTUROCOLLECTION.COM](https://www.arturocollection.com)**



# Arturo PU2030 Floor System



System example:

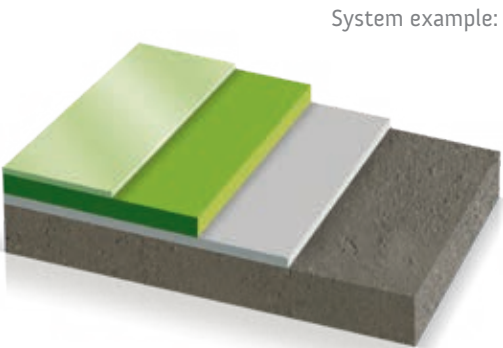
- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 34):
  - Arturo EP6500 Primer
  - Arturo EP6200 Scratch Coat
- SELF-SMOOTHING FLOOR** (for information see page 36):
  - Arturo PU2030 Self-smoothing Floor
- TOP COAT** (for information see page 38):
  - Coloured sealers:**
    - Arturo PU3320 Sealer (satin, UV-stable)
    - Arturo PU7900 Sealer (semi-gloss, UV-stable)
  - Transparent sealers:**
    - Arturo PU7180 Sealer (gloss)
    - Arturo PU7320 Sealer (satin)
    - Arturo PU7750 Sealer (extra matt)
    - Arturo PU7975 Sealer (satin)

Highly elastic self-smoothing floor with many design options and comfort underfoot

**LAYER THICKNESS:** 2 to 3 mm

**USAGE:** Light-duty

# Arturo PU2060 Floor System



System example:

- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 34):
  - Arturo EP6500 Primer
  - Arturo EP6200 Scratch Coat
- SELF-SMOOTHING FLOOR** (for information see page 36):
  - Arturo PU2060 Self-smoothing Floor
- TOP COAT** (for information see page 38):
  - Coloured sealers:**
    - Arturo PU3320 Sealer (satin, UV-stable)
    - Arturo PU7900 Sealer (semi-gloss, UV-stable)
  - Transparent sealers:**
    - Arturo PU7180 Sealer (gloss)
    - Arturo PU7320 Sealer (satin)
    - Arturo PU7750 Sealer (extra matt)
    - Arturo PU7975 Sealer (satin)

Elastic PU-resin floor with many design options

**LAYER THICKNESS:** 2 to 3 mm

**USAGE:** Light- to medium-duty

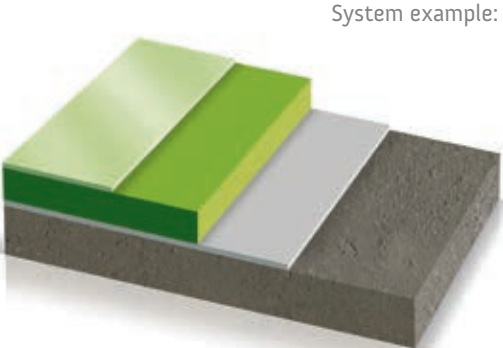
Floor system/system component	Slip-resistance* (testing of floor coverings according to DIN 51130)				Displacement volume
	R9	R10	R11	R12	
Arturo PU2030 Self-smoothing Floor					
+ Arturo PU3320 Sealer		•			
+ Arturo PU7180 Sealer	•				
+ Arturo PU7320 Sealer		•			
+ Arturo PU7750 Sealer		•			
+ Arturo PU7900 Sealer		•			
+ Arturo PU7975 Sealer		•			

Floor system/system component	Slip-resistance* (testing of floor coverings according to DIN 51130)				Displacement volume
	R9	R10	R11	R12	
Arturo PU2060 Self-smoothing Floor					
+ Arturo PU3320 Sealer		•			
+ Arturo PU7180 Sealer	•				
+ Arturo PU7320 Sealer		•			
+ Arturo PU7750 Sealer		•			
+ Arturo PU7900 Sealer		•			
+ Arturo PU7975 Sealer		•			



Arturo PU2030 Floor System at Uniper, DE-Düsseldorf

# Arturo EP4050 Floor System



System example:

- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 34):
  - Arturo EP6500 Primer
- PEBBLE FLOOR** (for information see page 36):
  - Arturo EP4050 Pebble Floor
- OPTIONAL FLOOR COMPOUND** (for information see page 38):
  - Transparent sealers:**
    - Arturo AC7450 Acrylic Floor Compound (semi-gloss)

Decorative pebble floor for indoor use

**LAYER THICKNESS:** 6 to 12 mm, **USAGE:** Light-duty

# Detailed solutions – Floor/wall connections

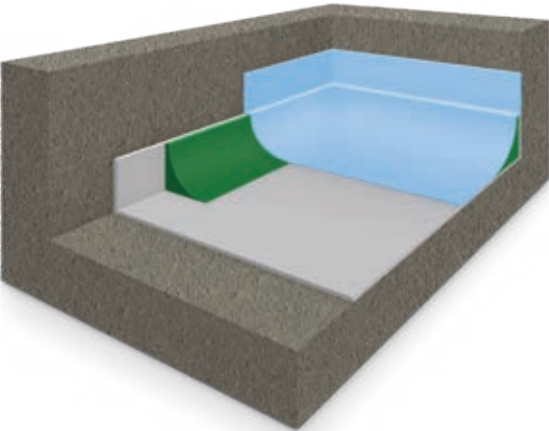
In areas where hygiene is vital, such as in commercial kitchens, the food industry, laboratories, hospitals, sanitary areas, and also industrial areas and multi-storey car parks, the floor/wall connections must be designed to prevent the penetration of dirt, liquids,

gases and road salt. This is achieved by extending the horizontal floor vertically up the wall for a few centimetres. This creates a sealed, easy-to-clean connection between the floor and walls. A skirting is one possible design for the base connections.

## BASE CONNECTIONS – FIXED

In situations where there is a static system where the walls and floor meet, the floor system is connected without a transition. Bonded screeds or concreted floors are fixed and do not move. A skirting forms a fixed connection with the floor and wall.

System example:



A suitable sealer should be applied as final top coat depending on the flooring requirements

- SUBFLOOR/CONCRETE**
- PRIMER/SCRATCH COAT** (for information see page 34):
  - Arturo EP6850 Skirting Primer
- SKIRTING** (for information see page 36):
  - Arturo EP1851 Skirting Mortar
- SELF-SMOOTHING FLOOR** (for information see page 36):
  - Arturo EP2500 Self-smoothing Floor + Arturo Thixotropic Agent
  - Arturo PU2060 Self-smoothing Floor + Arturo Thixotropic Agent
- COATING** (for information see page 38):
  - Coloured coatings:**
    - Arturo EP3900 Floor Coating (gloss)



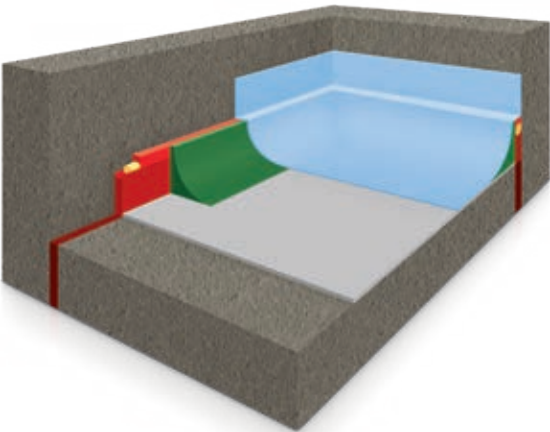
In underground car parks a base connection prevents the penetration of liquids, gases and road salt

## BASE CONNECTIONS – MOVEABLE

Compared to bonded screeds, floating screeds and screeds on a release layer can “move”. For this reason, no fixed connection must be made between the floor and walls. In this case moveable base connections are installed to minimise cracking.

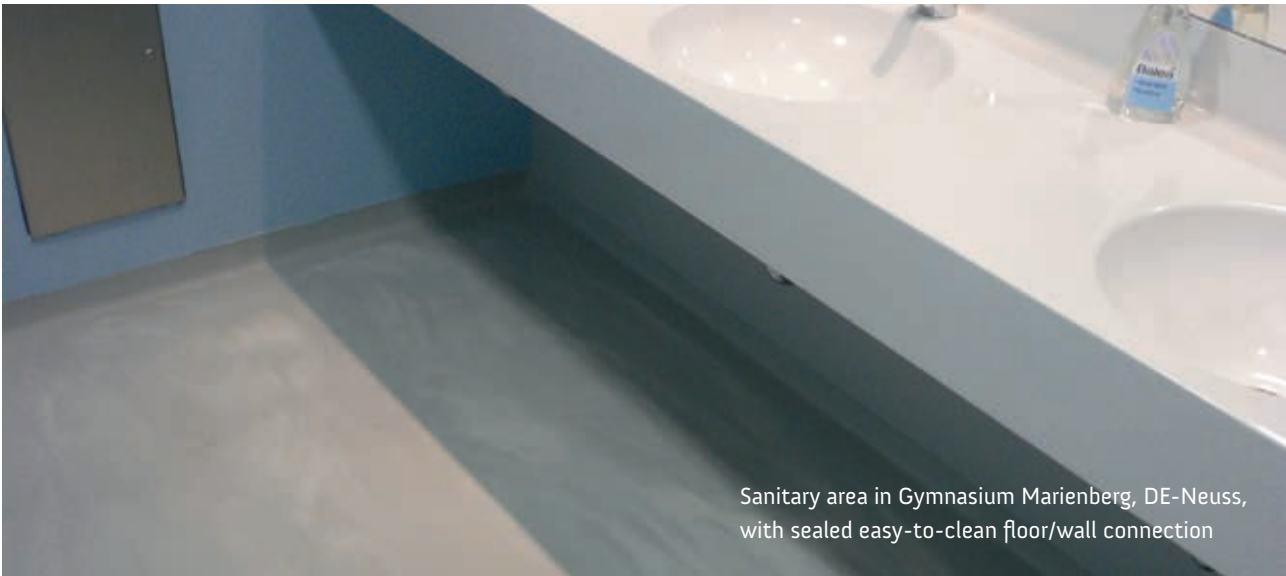
The skirting is designed to be permanently elastic for light movement and is designed with adhesive and edge insulation strips for higher movement.

System example:



A suitable sealer should be applied as final top coat depending on the flooring requirements

- SUBFLOOR/CONCRETE**
- EDGE INSULATION STRIPS WITH PERMANENT ELASTIC JOINT**
- PRIMER/SCRATCH COAT** (for information see page 34):
  - Arturo EP6850 Skirting Primer
- SKIRTING** (for information see page 36):
  - Arturo EP1851 Skirting Mortar
- SELF-SMOOTHING FLOOR** (for information see page 36):
  - Arturo EP2500 Self-smoothing Floor + Arturo Thixotropic Agent
  - Arturo PU2060 Self-smoothing Floor + Arturo Thixotropic Agent
- COATING** (for information see page 38):
  - Coloured coatings:**
    - Arturo EP3900 Floor Coating (gloss)



Sanitary area in Gymnasium Marienberg, DE-Neuss, with sealed easy-to-clean floor/wall connection



# Arturo system components

## Primers/scratch coat

Whether on a normal cement screed, gypsum or magnesita screed or cast asphalt – careful subfloor preparation and a suitable Arturo primer provide excellent adhesion for subsequent layers.

Even subfloors with rising damp or oil contamination and well bonded existing coatings and tiles can be coated with

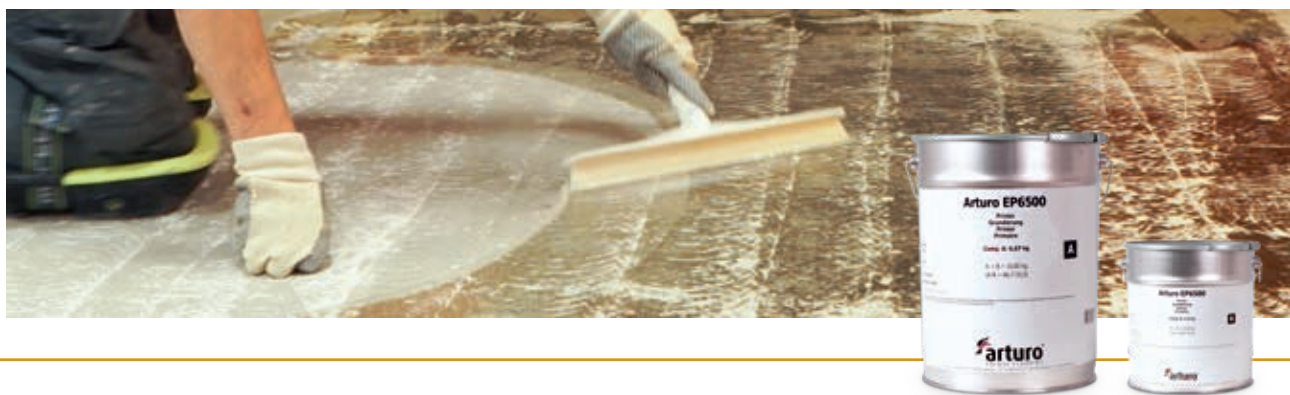
a suitable Arturo primer. In addition, the Arturo scratch coat can remove discrepancies.



**Tip:**

Overview of primers: p. 34

Selecting a suitable primer for your subfloor: p. 44



## Resin screeds/self-smoothing floors/pebble floors

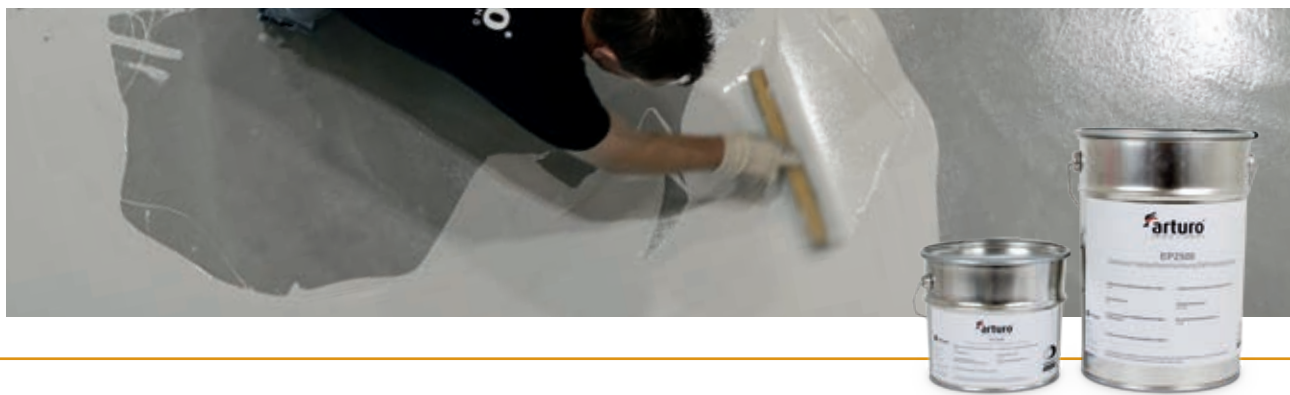
Arturo resin screeds, self-smoothing floors and pebble floors provide protection against both mechanical and chemical loads and can be used for new projects, over well bonded existing coatings or for changed usage of a floor. They are also eco-friendly. All products are solvent-free and low in emissions. Arturo PU2030, PU2060 and EP3900 Floor System also

meet the test criteria for VOC emissions of the AgBB (Committee for Health-related Evaluation of Building Products).



**Tip:**

Overview of resin screeds, self-smoothing floors and pebble floors: p. 36



## Thin layer coatings/sealers

Arturo coloured thin layer floor coatings based on EP resin are excellent for mineral subfloors that are exposed to light to moderate loads. They are cost-effective and can be used on top of well bonded existing coatings. Slip-resistant and water vapour permeability regulations can be met using the correct floor coating. Coloured or transparent sealers based on epoxy or polyurethane resin are suitable as a protective layer for new

floor coatings or existing coatings which need refreshing.

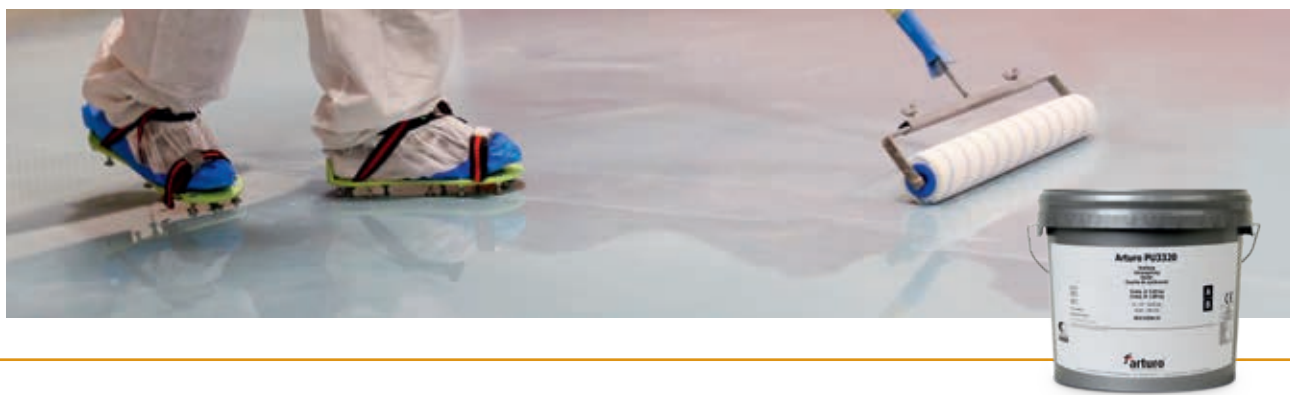
The appearance and functionality of the floor surface are thus retained for a long period of time.



**Tip:**

Overview of thin layer coating/sealers: p. 38

Selecting a suitable thin layer coating/sealer for subfloor: p. 44



## Special products

Special products such as Arturo Ballotini (for slip-resistant finishes) and Arturo Flakes (decorative element scattered into the wet layer) complete our product portfolio.



**Tip:**

Overview of special products: p. 40



# Overview of primers/scratch coat

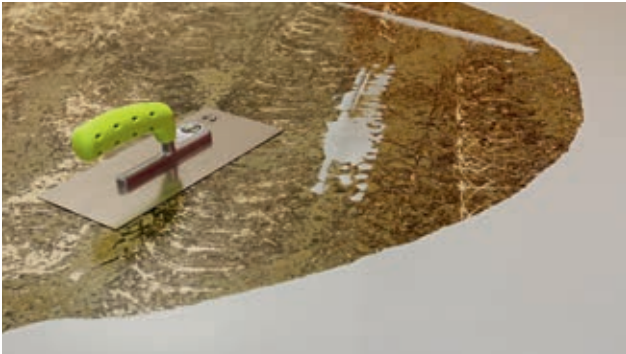
Prior to using Arturo system components the current data sheets must always be consulted and instructions followed. Please request these or download them from [www.arturoflooring.com](http://www.arturoflooring.com).

System components				Suitable for the following floor systems				
Name	Application/properties	Pack size	Consumption, depending on the subfloor	HEAVY-DUTY FLOOR SYSTEMS Page 8	SLIP-RESISTANT OS8 FLOOR SYSTEMS Page 12	CONDUCTING FLOOR SYSTEMS Page 16	ECONOMICAL THIN LAYER FLOOR SYSTEMS Page 20	DESIGN FLOOR SYSTEMS Page 26
Arturo EP6200 Scratch Coat (2-C, EP)	Ready-made scratch coat for smoothing roughness, in the event of rough unevenness/higher layer thickness mixable with sand	• 10 kg • 25 kg	• Approx. 500-1300 g/m <sup>2</sup> /mm	✓		✓		✓
Arturo EP6250 Primer (2-C, EP)	Fast curing, suitable for manufacturing scratch coat, EP mortar or as an adhesion layer, when the next layer has to be applied on the same day	• 4 kg • 10 kg	• Approx. 200-300 g/m <sup>2</sup>	✓		✓		✓
Arturo EP6400 Primer (2-C, EP)	For electrically conducting floor systems	• 8 kg	• Approx. 80-120 g/m <sup>2</sup>			✓		
Arturo EP6500 Primer (2-C, EP)	Multi-purpose primer, also for manufacturing scratch coat, EP mortar, as adhesion layer, at risk of moisture at the reverse side, contains no silicones or other surface active substances, approved by the committee for Health-Related Evaluation (AgBB), suitable for the food industry	• 10 kg • 25 kg	• Primer: approx. 200-350 g/m <sup>2</sup> • Scratch Coat: approx. 500-1300 g/m <sup>2</sup> /mm	✓		✓		✓
Arturo EP6650 Multiprimer (2-C, EP)	Adhesion layer on existing coatings (e.g. interior tiles) and dense subfloors, under vapour permeable self-smoothing floors and coatings, water-dilutable	• 3.75 kg • 7.50 kg	• Approx. 75-150 g/m <sup>2</sup>	✓		✓	✓	✓
Arturo EP6850 Skirting Primer (2-C, EP)	For skirtings on vertical surfaces	• 0.75 kg	• Approx. 200-350 g/m <sup>2</sup>	✓		✓	✓	✓
Arturo EP6950 Primer (2-C, EP)	For increased residual moisture (≤ 5% CM) or for non-absorbent subfloors, contains no silicones or other surface-active substances	• 5 kg • 10 kg	• Approx. 200-700 g/m <sup>2</sup> • Moisture barrier: min. 450 g/m <sup>2</sup>	✓		✓	✓	✓
Arturo EP6955 Primer OS8 (2-C, EP)	For surface protection system OS8, at risk of moisture at the reverse side, contains no silicones or other surface-active substances	• 23 kg	• 1.5 mm: 900 g/m <sup>2</sup> (each 450 g/m <sup>2</sup> EP6955 Primer and quartz sand) • 2.5 mm: 1600 g/m <sup>2</sup> (each 800 g/m <sup>2</sup> EP6955 Primer and quartz sand, blinded with quartz sand 0.3-0.8 mm		✓			
Arturo EP6960 Primer Special Purpose (2-C, EP)	For increased residual moisture (≥ 5% CM) or on oil-contaminated, cleaned surfaces	• 10 kg	• Primer: approx. 250-500 g/m <sup>2</sup> • Moisture barrier: 1. layer 500 g/m <sup>2</sup> , 2. layer 250-350 g/m <sup>2</sup>	✓		✓	✓	✓



### Tip:

When speed is important: Arturo EP6250 Primer



### Tip:

The ready-to-use scratch coat: Arturo EP6200 Scratch Coat





# Overview of resin screeds, self-smoothing floors and pebble floors

Prior to using Arturo system components the current data sheets must always be consulted and instructions followed. Please request these or download them from [www.arturoflooring.com](http://www.arturoflooring.com).

					Suitable for the following floor systems				
System components					HEAVY-DUTY FLOOR SYSTEMS	SLIP-RESISTANT OS8 FLOOR SYSTEMS	CONDUCTING FLOOR SYSTEMS	ECONOMICAL THIN LAYER FLOOR SYSTEMS	DESIGN FLOOR SYSTEMS
Name	Application/properties	Pack size	Consumption	Colour	Page 8	Page 12	Page 16	Page 20	Page 26
Resin screed									
Arturo EP1000 Resin Screed (3-C, EP)	EP-screed with mineral fillers, high chemical and mechanical resistance, for medium- to very heavy-duty, also suitable for making skirtings and upstands	• 24 kg • 72 kg	• Approx. 2 kg/m <sup>2</sup> /mm	• Natural • Own colour chart	✓				
Arturo EP1200 Resin Screed (3-C, EP)	EP-screedmortar with coloured mineral fillers, high chemical and mechanical resistance, for medium duty, also suitable for making skirtings and upstands	• 74.25 kg	• Approx. 1.8 kg/m <sup>2</sup> /mm	• Own colour chart	✓				
Arturo EP1250 Resin Screed (3-C, EP)	EP-screed with colourless mineral fillers, high chemical and mechanical resistance, for medium duty, also suitable for making skirtings and upstands	• 74.25 kg	• Approx. 1.8 kg/m <sup>2</sup> /mm	• Natural	✓				
Arturo EP1500 Repair Mortar (3-C, EP)	EP-mortar with mineral fillers for repairing damaged concrete, repair of edge breakouts, as backing of machines, steel constructions and railing bases, also suitable for making skirtings and upstands	• 10 kg	• Approx. 2 kg/m <sup>2</sup> /mm	• Mottled grey	✓	✓	✓	✓	✓
Arturo EP1851 Skirting Mortar (2-C, EP)	EP-mortar with mineral fillers, suitable for skirtings and upstands	• 10 kg	• Approx. 2 kg/m <sup>1</sup> when skirting approx. 6 cm	• Light grey	✓	✓	✓	✓	✓
Self-smoothing floor									
Arturo EP2480 Self-smoothing Floor, explosion protection, (2-C, EP)	Carbon fibre electrical conducting self-smoothing floor for explosion-protected areas, contains no silicones or other surface-active substances	• 10 kg • 25 kg	• Approx. 2.5 kg/m <sup>2</sup>	• RAL, limited selection			✓		
Arturo EP2490 Self-smoothing Floor, ESD protection & cleanrooms (2-C, EP)	Carbon fibre free electrical conducting self-smoothing floor for ESD protection areas and cleanrooms, contains no silicones or other surface-active substances	• 10 kg • 25 kg	• Approx. 3 kg/m <sup>2</sup> , max. 3.75 kg/m <sup>2</sup>	• RAL, limited selection			✓		
Arturo EP2500 Self-smoothing Floor (2-C, EP)	Heavy-duty standard EP-self-smoothing floor suitable for many industry sectors can be mixed and blinded with quartz sand, contains no silicones or other surface-active substances, suitable for the food industry	• 10 kg • 25 kg	• 1 mm: approx. 1.6 kg/m <sup>2</sup> • 2 mm: approx. 1.75 kg/m <sup>2</sup> with quartz sand • 3 mm: approx. 1.85 kg/m <sup>2</sup> with quartz sand	• RAL • Other on request	✓				
Arturo PU2030 Self-smoothing Floor (2-C, PU)	Highly elastic, UV-stable PU design self-smoothing floor, approved by the Committee for Health-Related Evaluation (AgBB)	• 1 kg • 5 kg • 10 kg • 25 kg	• Approx. 1.56 kg/m <sup>2</sup> /mm	• RAL • Arturo Color Collection Trend colour chart • Other on request					✓
Arturo PU2060 Self-smoothing Floor (2-C, PU)	Viscoplastic design self-smoothing floor, approved by the Committee for Health-Related Evaluation (AgBB), suitable for the food industry	• 1 kg • 5 kg • 10 kg • 25 kg	• Approx. 1.5 kg/m <sup>2</sup> /mm	• RAL • Arturo Color Collection Trend colour chart • Other on request	✓				✓
Pebble floor									
Arturo EP4050 Pebble Floor (3-C, EP)	EP-pebble floor with coloured or natural pebbles, open or closed structure possible	• 53.5 kg	• When 6 mm: approx. 13-15 kg/m <sup>2</sup> , depending on pebble size	• Natural • Own colour chart					✓

# Overview of thin layer coatings and sealers

Prior to using Arturo system components the current data sheets must always be consulted and instructions followed.  
Please request these or download them from [www.arturoflooring.com](http://www.arturoflooring.com).

						Suitable for the following floor systems				
System components						HEAVY-DUTY FLOOR SYSTEMS	SLIP-RESISTANT OS8 FLOOR SYSTEMS	CONDUCTING FLOOR SYSTEMS	ECONOMICAL THIN LAYER FLOOR SYSTEMS	DESIGN FLOOR SYSTEMS
Name	Application/properties	Pack size	Consumption, depending on the subfloor	Colour	Optical appearance	Page 8	Page 12	Page 16	Page 20	Page 26
Coloured coatings/sealers										
Arturo EP3020 Floor Coating (2-C, EP)	Water vapour permeable, suitable for the food industry (Certificate of Compliance)	• 10 kg • 25 kg	• Approx. 100-250 g/m <sup>2</sup> • Scratch Coat: approx. 500-700 g/m <sup>2</sup> /mm	• RAL limited	• Semi-gloss				✓	
Arturo EP3280 Floor Coating (2-C, EP)	Durable structured floor coating (nap structure)	• 15 kg	• Approx. 600-700 g/m <sup>2</sup>	• RAL limited	• Gloss				✓	
Arturo EP3400 Floor Coating (2-C, EP)	Anti-static	• 7.5 kg	• Approx. 200-300 g/m <sup>2</sup>	• RAL limited	• Gloss				✓	
Arturo EP3600 Floor Coating (2-C, EP)	Water vapour permeable, water-dilutable, suitable for the food industry (Certificate of Compliance)	• 5 kg • 10 kg	• Approx. 100-200 g/m <sup>2</sup>	• RAL • Other on request	• Semi-gloss				✓	
Arturo EP3610 Floor Coating (2-C, EP)	Slip-resistant, water vapour permeable, water-dilutable, suitable for the food industry (Certificate of Compliance)	• 5 kg • 10 kg	• Approx. 100-200 g/m <sup>2</sup>	• RAL • Other on request	• Semi-gloss/ structured				✓	
Arturo EP3800 Wall Coating (2-C, EP)	Water vapour permeable, water-dilutable for wall surfaces requiring special protection	• 5 kg • 10 kg	• Approx. 100-200 g/m <sup>2</sup>	• RAL • Other on request	• Matt				✓	
Arturo EP3900 Floor Coating (2-C, EP)	Contains no silicones or other surface-active substances, suitable for the food industry (Certificate of Compliance), approved by the Committee for Health-Related Evaluation (AgBB), also suitable as coating within Arturo EP2500 Floor System	• 3.75 kg • 7.5 kg	• 15 kg • 25 kg	• Approx. 200-300 g/m <sup>2</sup> • Approx. 700-800 g/m <sup>2</sup> for OS 8 System	• RAL • Other on request	✓	✓		✓	
Arturo EP3910 Floor Coating (2-C, EP)	Slip-resistant, contains no silicones or other surface-active substances, suitable for the food industry (Certificate of Compliance), also suitable as coating within Arturo EP2500 Floor System	• 3.75 kg • 7.5 kg	• 15 kg • 25 kg	• Approx. 200-300 g/m <sup>2</sup>	• RAL • Other on request				✓	
Arturo PAS3790 Floor Coating (2-C, PAS)	Rapid drying, UV-stable, on gritted EP subfloors, inside and outside use, suitable for the food industry (Certificate of Compliance)	• 5 kg • 10 kg	• Approx. 150-350 g/m <sup>2</sup>	• RAL limited • Other on request	• Gloss				✓	
Arturo PU3320 Sealer (2-C, EP)	Water-dilutable, UV-stable, suitable for many Arturo PU-, EP self-smoothing floors and EP thin layer coatings, approved by the Committee for Health-Related Evaluation (AgBB), suitable for the food industry (Certificate of Compliance)	• 6.65 kg	• Approx. 100-120 g/m <sup>2</sup>	• RAL • Other on request	• Satin	✓			✓	✓
Arturo PU7900 Sealer (1-C, PU)	Highly wear-resistant, UV-stable, suitable for many Arturo PU-, EP self-smoothing floors and EP thin layer coatings	• 5 kg	• Max. 120 g/m <sup>2</sup>	• RAL • Other on request	• Semi-gloss/ structured	✓			✓	✓
Transparent sealers										
Arturo AC7450 Floor Compound (1-C, AC)	For Arturo pebble floor	• 10 kg	• Approx. 700-1200 g/m <sup>2</sup> , depending on pebble size	• Transparent	• Satin					✓
Arturo EP3350 Sealer (2-C, EP)	For blinded EP-floor covering (flakes) and gritted EP-floors	• 10 kg	• Approx. 250-800 g/m <sup>2</sup>	• Transparent	• Gloss	✓			✓	
Arturo EP3950 Sealer (2-C, EP)	For mineral subfloors, blinded EP-floor covering (flakes), gritted EP-floors or be admixed with Arturo Ballotini, suitable for the food industry (Certificate of Compliance)	• 10 kg	• Approx. 200-300 g/m <sup>2</sup>	• Transparent	• Gloss/lightly structured	✓			✓	
Arturo EP7610 Sealer (2-C, EP)	Water vapour permeable, for EP self-smoothing floors, thin layer coatings, blinded EP-floor covering (flakes), as dust binder on mineral subfloors, suitable for the food industry (Certificate of Compliance)	• 4 kg • 10 kg	• Approx. 100-120 g/m <sup>2</sup> • Approx. 100-200 g/m <sup>2</sup> as dust-binding primer	• Transparent	• Extra matt	✓			✓	
Arturo EP7950 Sealer (2-C, EP)	For Arturo mortar floors	• 8 kg	• Approx. 300-500 g/m <sup>2</sup>	• Transparent	• Gloss	✓				
Arturo PU7180 Sealer (1-C, PU)	Very highly wear-resistant protective top sealer, good UV stability, especially for Arturo PU2060 Self-smoothing Floor in the industrial area, approved by the Committee for Health-Related Evaluation (AgBB)	• 5 kg	• Max. 100 g/m <sup>2</sup>	• Transparent	• Gloss/lightly structured	✓				
Arturo PU7320 Sealer (2-C, PU)	Highly wear-resistant protective top sealer, good UV stability, especially for Arturo PU self-smoothing floor in the representative area, approved by the Committee for Health-Related Evaluation (AgBB), suitable for the food industry (Certificate of Compliance)	• 6 kg	• Approx. 90-110 g/m <sup>2</sup>	• Transparent	• Satin					✓
Arturo PU7750 Sealer (2-C, PU)	Highly wear-resistant protective top sealer, good UV stability, especially for Arturo PU self-smoothing floor in the representative area, approved by the Committee for Health-Related Evaluation (AgBB)	• 5 kg • 10 kg	• Approx. 90 g/m <sup>2</sup>	• Transparent	• Extra matt					✓
Arturo PU7975 Sealer (1-C, PU)	Very highly wear-resistant protective top sealer, good UV stability, especially for Arturo PU2060 Self-smoothing Floor in the industrial area, approved by the Committee for Health-Related Evaluation (AgBB)	• 5 kg	• Max. 100 g/m <sup>2</sup>	• Transparent	• Satin/structured	✓				✓



# Overview of special products

Prior to using Arturo system components the current data sheets must always be consulted and instructions followed. Please request these or download them from [www.arturoflooring.com](http://www.arturoflooring.com).

System components				Suitable for the following floor systems				
Name	Application/properties	Pack size	Colour	HEAVY-DUTY FLOOR SYSTEMS Page 8	SLIP-RESISTANT OS8 FLOOR SYSTEMS Page 12	CONDUCTING FLOOR SYSTEMS Page 16	ECONOMICAL THIN LAYER FLOOR SYSTEMS Page 20	DESIGN FLOOR SYSTEMS Page 26
Arturo Slip-resistant Agent	Polypropylene granulate ensuring a slip-resistant surface in combination with Arturo PU Sealers	<ul style="list-style-type: none"><li>• Bucket of 0.1375 kg for Arturo Sealers PU7180, PU7750, PU7975, EP7610</li><li>• Bucket of 0.165 kg for Arturo Sealers PU3320, PU7320</li></ul>	<ul style="list-style-type: none"><li>• White</li></ul>	✓			✓	✓
Arturo Slip-resistant Agent for Arturo PU7900	Polypropylene granulate ensuring a slip-resistant surface in combination with Arturo PU Sealers	<ul style="list-style-type: none"><li>• Tin of 0.1 kg for Arturo Sealer PU7900</li></ul>	<ul style="list-style-type: none"><li>• White</li></ul>	✓			✓	✓
Arturo Ballotini	Solid glass spheres ensuring a slip-resistant surface in combination with Arturo Sealers, different sizes	<ul style="list-style-type: none"><li>• 25 kg bag</li></ul>	<ul style="list-style-type: none"><li>• Transparent</li></ul>	✓			✓	✓
Arturo Flakes	Colour flakes for a creative floor design, lightly or fully scattered onto the fresh top layer, large variety of colours, many standard mixtures, different sizes	<ul style="list-style-type: none"><li>• From 1 kg bucket/bag</li></ul>	<ul style="list-style-type: none"><li>• Own colour chart</li></ul>	✓			✓	✓
Arturo Cleaning Cloths	For the removal of dirt, oil, fat, paint and non-hardened resin on skin, floor and tools/equipment	<ul style="list-style-type: none"><li>• Box of 4 buckets, 150 cloths per bucket</li></ul>	<ul style="list-style-type: none"><li>• White</li></ul>	✓	✓	✓	✓	✓
Arturo Thixotropic Agent	Based on polyethylene with thickening effect to increase the stability and draining performance of Arturo PU and EP Self-smoothing floors and thin layer coatings	<ul style="list-style-type: none"><li>• 1 kg bucket</li></ul>	<ul style="list-style-type: none"><li>• White</li></ul>	✓				✓



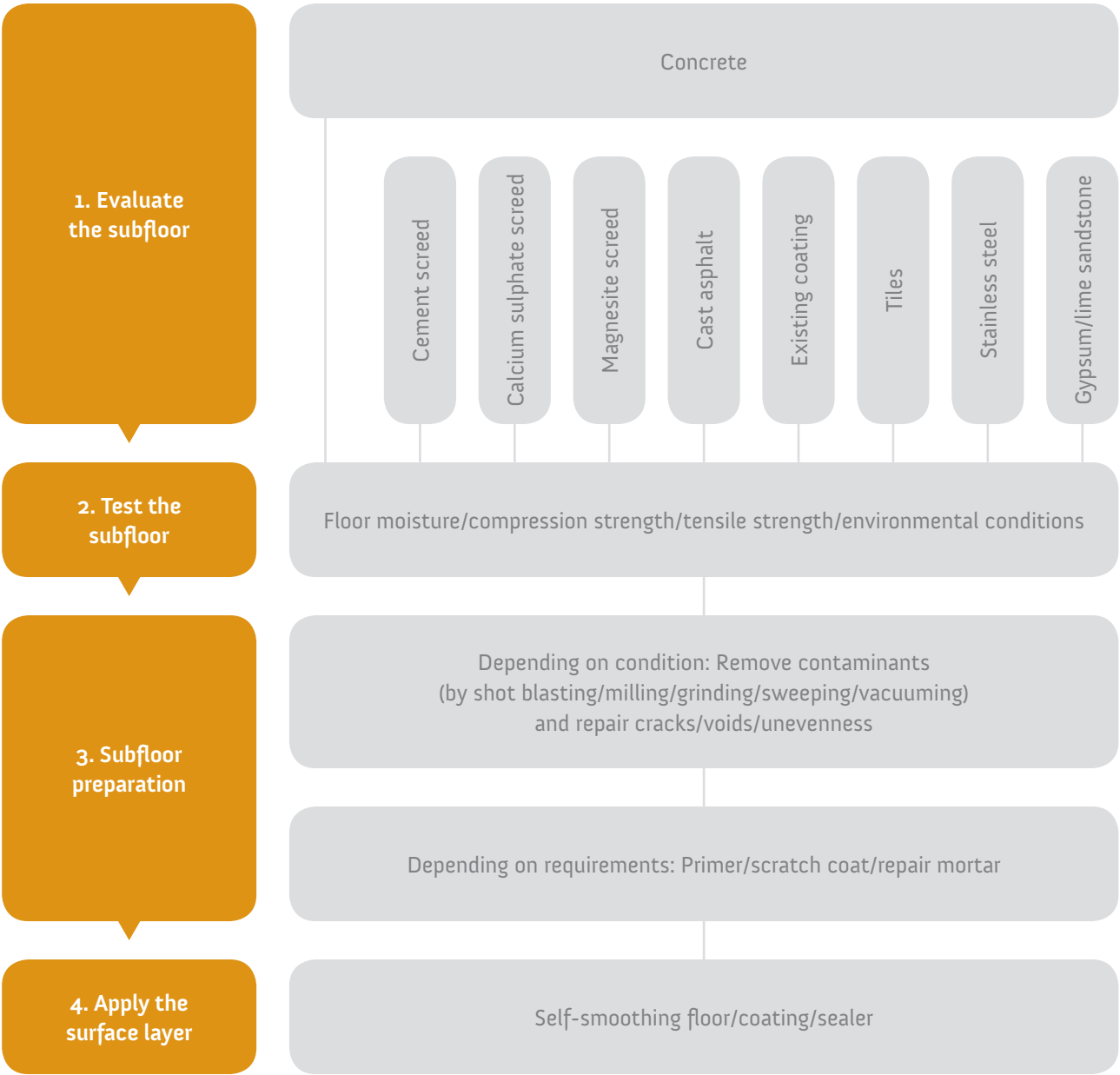
Arturo PU2060 Floor System with flakes  
at Arcus College, NL-Heerlen



Arturo EP2500 Floor System at canteen kitchen  
of Arcus College, NL-Heerlen

# Testing and preparation of the subfloor

All floors consist of a subfloor layer and a surface layer. To ensure the floor is durable, these two layers must be effectively joined and optimally designed for the expected mechanical and chemical loads at the relevant location. Correct subfloor evaluation, testing and preparation play a key role here.



# Testing the subfloor – this is how it is done

## Step 1 – Measure the floor moisture

The functioning of a floor coating depends on the moisture content of the subfloor. If the moisture content is too high, osmosis bubbles can form in the coating. The moisture content is best measured using a CM unit (calcium carbide method). Cement-bound subfloors having more than 4% residual moisture require special systems for further coating.

## Step 2 – Measure the compression resistance

The ability of the floor to withstand mechanical loads for a long period of time (compression resistance) is tested using the rebound hammer (DIN 4240) or the removal of drill cores (DIN 1048). Depending on the loads, this must be at least 25-50 N/mm² after 28 days.

## Step 3 – Measure the tensile adhesive strength

The tensile adhesive strength gauge measures the adhesion of the subfloor to the coating (at least 1.5 N/mm²). Simple tests such as scratch and suction tests can also be performed.

## Step 4 – Measure the environmental conditions

Use a hygrometer to measure the air/subfloor temperature, the relative humidity and the dew point.

# Preparing the subfloor – this is how it is done

## Step 5 – Remove contaminants

The subfloor must be firm and free of grease, oil and any debris or layers that could reduce the adhesion. Remove loose layers and contaminants by suitable mechanical means (e.g. shot blasting, milling or grinding). Fine dust must be removed using a vacuum cleaner.

## Step 6 – Repair cracks/voids/unevenness

Voids and cracks must be filled. Larger repairs to gaps, holes and other unevenness must be carried out with Arturo EP1500 Repair Mortar or EP6200 Scratch Coat.



# Product selection – a suitable primer/finish for every subfloor

The table indicate where a component can be applied directly to the subfloor.

System components	Suitable for cement-bonded subfloors (concrete & cement screed)			Suitable for other subfloors						
	Dry	In contact with soil	Oily	Calcium sulphate screed	Magnesite screed	Cast asphalt	Existing coating	Tiles	Stainless steel	Gypsum/lime sandstone
Primers										
Arturo EP6200	✓			✓	✓					
Arturo EP6250	✓			✓	✓	✓				
Arturo EP6500	✓			✓	✓	✓				
Arturo EP6650	✓	✓		✓	✓	✓	✓	✓		
Arturo EP6850	✓									✓
Arturo EP6950	✓	✓		✓					✓	
Arturo EP6955	✓	✓				✓				
Arturo EP6960	✓	✓	✓						✓	
Coloured coatings										
Arturo EP3020	✓	✓		✓	✓					
Arturo EP3280	✓									
Arturo EP3400	✓			✓						
Arturo EP3600	✓	✓		✓	✓					
Arturo EP3610	✓	✓		✓	✓					
Arturo EP3800	✓									✓
Arturo EP3900	✓			✓	✓					
Arturo EP3910	✓			✓	✓					
Arturo PAS3790	✓						✓			
Transparent sealers										
Arturo EP3950	✓									
Arturo EP7610	✓	✓		✓	✓					



# How to apply a floor coating

1

Evaluate and test the subfloor

2

Record the environmental conditions

3

Prepare the subfloor (e.g. clean by shot blasting)

4

Apply a primer/scratch coat

5

Stir the product components

6

Apply the floor coating

7

If desired, scatter flakes

8

Apply a top coat

# Recommended tools/equipment

System components	Tools	Installation
Arturo primer	Brush, nylon roller and/or rubber wiper	Roll and brush
Arturo scratch coat	Smoothing trowel, double spatula or hard rubber wiper	Smoothing out
Arturo self-smoothing floor	Smoothing trowel, squeegee or notched spreader, spiked roller	Apply, aerate
Arturo thin layer coating/sealer	Brush, nylon roller, hard rubber wiper	Apply, roll cross-wise
Arturo resin screed	Draw box, floor trowel, power trowel	Apply, compact
Arturo pebble floor	Draw box, floor trowel	Apply, compact

All information is based on our practical experience. Prior to using Arturo system components the current data sheets must always be consulted and instructions followed. Please request these or download them from [www.arturoflooring.com](http://www.arturoflooring.com).

# Ferfa guide to the selection of resin floors

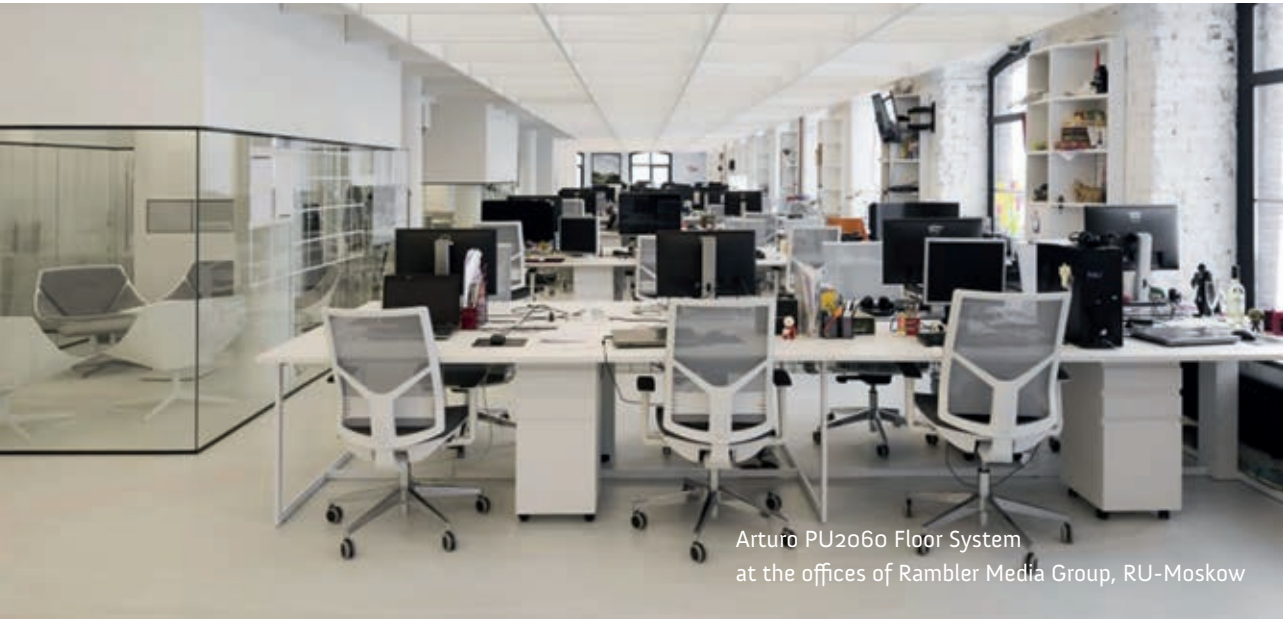
Synthetic resin floorings can be divided into different types varying in thickness and surface finish:

**LD (light duty):** light foot traffic, occasional rubber tyred vehicles  
**MD (medium duty):** regular foot traffic, frequent fork lift truck traffic, occasional hard plastic-wheeled trolleys  
**HD (heavy duty):** constant fork lift truck traffic, hard plastic wheeled trolleys, some impact  
**VHD (very heavy duty):** severe heavily loaded traffic and impact

Classification of synthetic resin flooring types					Source: <a href="http://www.ferfa.org.uk">www.ferfa.org.uk</a>
Type	Name	Description	Duty	Typical thickness	Arturo floor system
1	Floor seal	Applied in two or more coats, generally solvent or water borne	• LD	• up to 150 µm	• Arturo EP3600 Floor Coating (coloured, semi-gloss) • Arturo EP3610 Floor Coating (coloured, slip-resistant semi-gloss) • Arturo EP7610 Sealer (transparent, matt) • Arturo PU3320 Sealer (coloured satin, UV-stable) • Arturo PU7180 Sealer (transparent, gloss) • Arturo PU7320 Sealer (transparent, satin) • Arturo PU7750 Sealer (transparent, extra matt) • Arturo PU7900 Sealer (coloured, semi-gloss) • Arturo PU7975 Sealer (transparent, satin)
2	Floor coating	Applied in two or more coats, generally solvent free	• LD/MD	• 150 µm to 300 µm	• Arturo EP3020 Floor Coating (coloured, semi-gloss) • Arturo EP3400 Floor Coating (coloured, gloss) • Arturo EP3950 Sealer (transparent, gloss)
3	High build floor coating	Applied in two or more coats, generally solvent free	• MD	• 300 µm to 1000 µm	• Arturo EP3280 Floor Coating (coloured, gloss) • Arturo EP3900 Floor Coating (coloured, gloss) • Arturo EP3910 Floor Coating (coloured, slip-resistant, gloss) • Arturo PAS3790 Floor Coating (coloured, gloss)
4	Multi-layer flooring	Aggregate dressed systems based on multiple layers of floor coatings or flow-applied floorings, often described as “sandwich” systems	• MD/HD	• > 2 mm	• Arturo OS8 (DAdStBOS8, slip-resistant)
5	Flow applied flooring	Often referred to as “self-smoothing” or “self-levelling” flooring and having a smooth surface	• MD/HD	• 2 mm to 3 mm	• Arturo EP2480 Self-smoothing Floor (explosion protection) • Arturo EP2490 Self-smoothing Floor (ESD protection & cleanrooms) • Arturo EP2500 Self-smoothing Floor • Arturo PU2030 Self-smoothing Floor (UV-stable, LD) • Arturo PU2060 Self-smoothing Floor
6	Resin screed flooring	Trowel-finished, heavily filled systems, generally incorporating a surface seal coat to minimize porosity	• MD/HD	• > 4 mm	• Arturo EP1000 Resin Screed • Arturo EP1200 Resin Screed • Arturo EP1250 Resin Screed



Arturo EP2500 Floor System with flakes  
at Sportcampus Zuiderpark, NL-Den Haag



Arturo PU2060 Floor System  
at the offices of Rambler Media Group, RU-Moskow

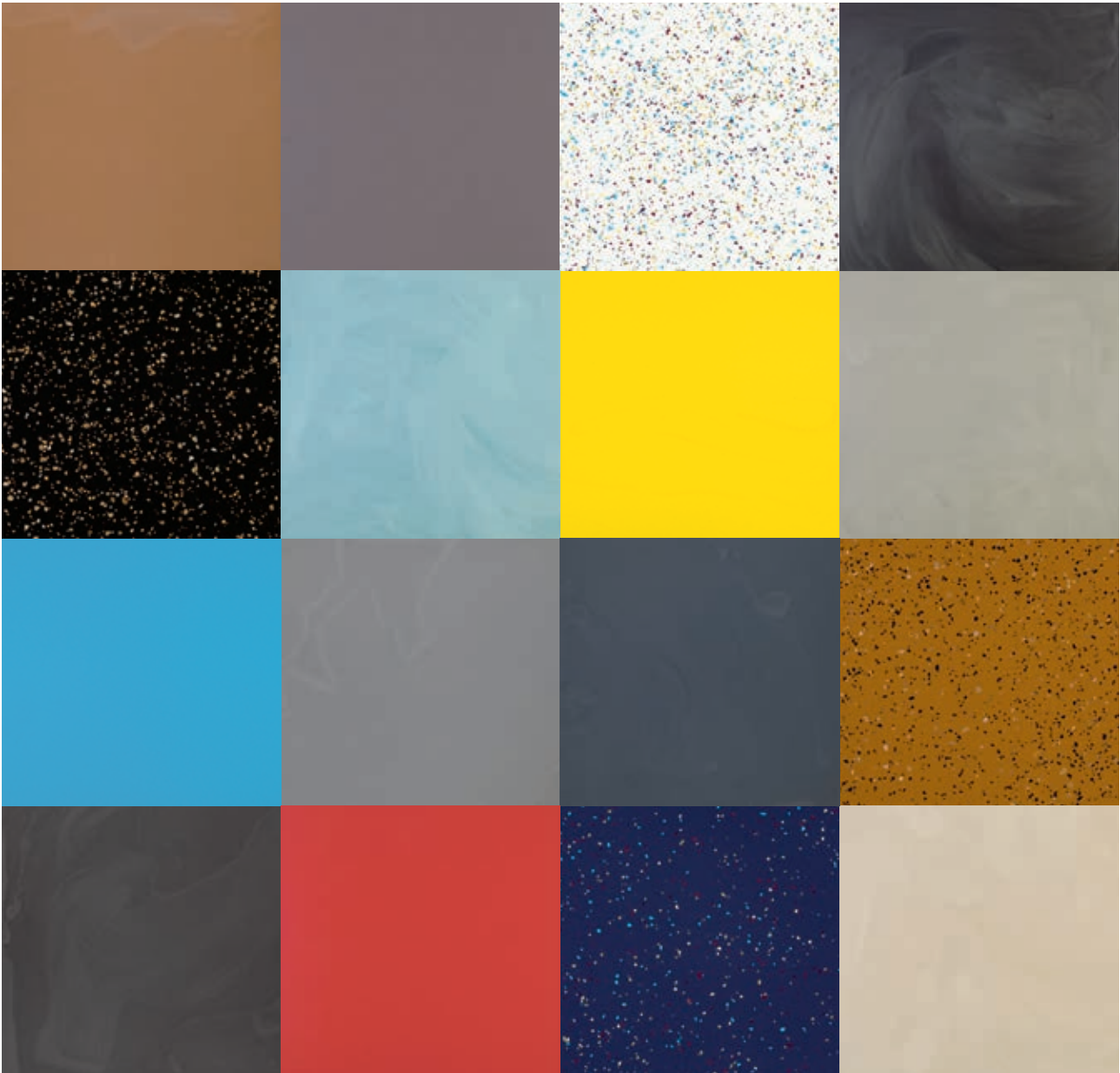


# Colours

Colour evokes emotion and influences the ambience in a room and the moods of people. Arturo colours will give you a suitable ambience in which to work and live. We offer a wide selection of RAL, NCS, own colours and flakes. If you cannot find the colour you desire, our customer service will advise you whether that specific colour can be produced. Arturo floor systems can also be coloured according to the colour cards of other suppliers.

Tip:

Our current colour overviews can be found at [www.arturoflooring.com](http://www.arturoflooring.com). Also discover the Arturo Colour Collection with 80 trendy colours at [www.arturocollection.com](http://www.arturocollection.com) or compose your own floor with flakes at [www.floorconfigurator.com](http://www.floorconfigurator.com).



# Cleaning and care



Arturo floor coatings are seamless, impermeable to liquids and easy to maintain. However, all floors require cleaning and care. Regular cleaning – ideally by a professional cleaning company – will keep the floor coating looking pristine and prolong your enjoyment of your chosen floor.

Tip:

Our current cleaning recommendations can be found at [www.arturoflooring.com](http://www.arturoflooring.com).



# Assistance with your projects

Our technical advisers provide a comprehensive range of services to assist you with all flooring matters. We can assist with all stages of your project, from planning to final decisions. Based

on your requirements, our experts present the various options to you. In this way you always end up with the right floor, whether for a new project, renovation or modernisation.







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Dental surgery topDentis, DE-Cologne



Warehouse Mala Verschluss-Systeme GmbH, DE-Bad Liebenstein



Coffee bar in Comcity Office Park, RU-Moscow



Multimedia agency Alientrack, NL-Hengelo



Hostel Netizen, RU-Moscow



Energy service provider Uniper, DE-Düsseldorf



Dolfinarium, NL-Hardewijk



Enterprise Office House, CZ-Prague



Flowservice BV, NL-Hengelo



Unipart Group Showpiece HSS Fuel Cell Area, EN-Cowley, Oxfordshire



Logistics operator Pony Express, RU-Moscow



Underground parking Marsmanplein, NL-Haarlem



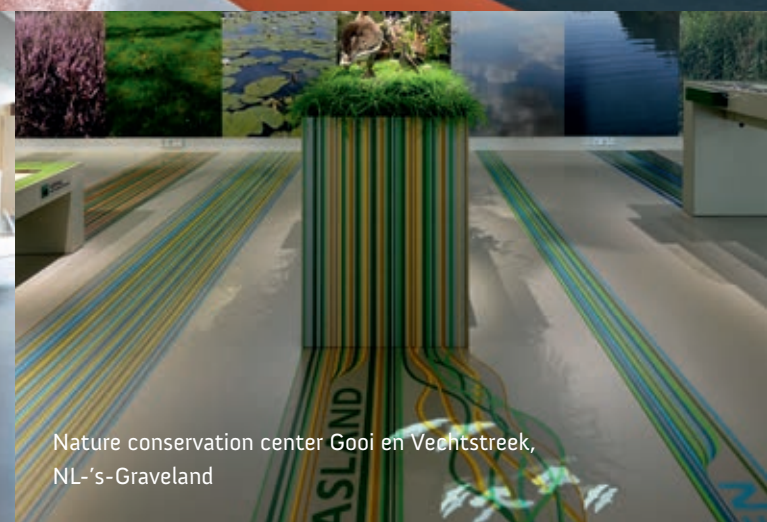
Fabergé Home Interiors, NL-Hengelo



Zosuuz Hairlab, NL-Haaksbergen

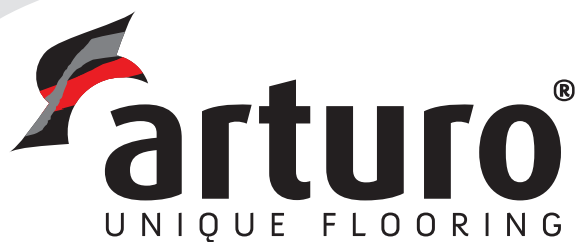


Furniture store Wohnwelt Fahnenbruck, DE-Bocholt



Nature conservation center Gooi en Vechtstreek, NL-'s-Graveland





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