

# Technical Data Sheet



## AB-ZEROPUR® 828

2-C-PU-gel for pore closing



### Description:

2-component polyurethane gel for horizontal surfaces, thixotropic, colourless  
VOC < 1 %

### Characteristics:

- gel for quartz flooring systems
- UV - resistant
- colourless - clear
- thixotropic
- high chemical resistance
- high mechanical resistance
- tough-hard
- inert and harmless once cured

### Application:

**AB-ZEROPUR 828** is an especially developed, transparent, thixotropic polyurethane gel for pore closing. **AB-ZEROPUR 828** is used for horizontal surfaces as a pore closure and is suitable for gravel mixture floors as well as for quartz flooring systems. Please consult us prior to use.

#### Important note !

Lower and higher temperatures exceedingly affect the viscosity / application!

### Consumption:

600 - 1500 g/m<sup>2</sup>, depending on grain size and use.

### Resistant to:

- water / sewage
- alkalis
- mineral oil
- wet temperature max. 40°C
- saline solutions
- diluted acids
- lubricants and fuels
- wet temperature short-term max. 60°C

### Technical Data:

Mixing ratio A : B	100 : 90 by weight
Density (23°C)	approx. 1.10 g/cm <sup>3</sup>
Volume solids	approx. 100 %
Viscosity (23°C)	thixotropic
First contact with water	after 3 hours (23°C)

### Details for application:

Pot life (15°C / 23°C / 30°C)	approx. 30 minutes / 15 minutes / 10 minutes	
Substrate temperature	minimum 15°C up to maximum 25°C	
Material temperature	15°C - 25°C	
Maximum relative humidity of air	at 15°C: 75 % (dew point +3°C) at > 23°C: 85 % (dew point +3°C)	
Duration between applications	15°C: min. 3 hours      max. 24 hours 23°C: min. 2 hours      max. 24 hours 30°C: min. 1 hour      max. 12 hours	
Curing time / foot traffic (15°C / 23°C / 30°C)	4 hours / 3 hours / 2 hours	
Curing time / mech. resistance (6°C / 23°C / 30°C)	36 hours / 24 hours / 12 hours	
Curing time / chem. resistance (6°C / 23°C / 30°C)	4 days / 3 days / 2 days	
All above values are approximate and may be used as a guideline for specifications		

### Packaging:

3.5 kg - pails

### Colour:

colourless - clear

### Storage:

6 months, unopened in original drums under dry conditions and a temperature of 15 - 25°C.  
At temperatures < 10°C crystallisation is possible. Please consult us.

## 1. Surface preparation

Prior to the application the substrate must be prepared by mechanical means using qualified equipment e.g. Blastrac® shot blasting.

### Minimum requirements:

- free of cement laitance, dust, oil, fat and other contaminants
- open textured, absorbent surface
- pull off strength min. 1.5 N/mm<sup>2</sup>
- concrete residual moisture max. 4 %

Depending on condition the substrate has to be prepared by applying a pore free priming and / or scraping layer using **AB-ZEROPOX 803**.

**On concrete surfaces where there is rising damp or residual moisture of maximum 6 %, AB-ZEROPOX 810 must be used. Please consult us!**

See also "general preparation and application instructions" sheet.

Application of a quartz flooring system with **AB-ZEROPUR 872** and coloured sand in an appropriate mixing ratio and spreading by trowel.

## 2. Application

Prior to mixing, the temperature of the components must be at least 15 - 25°C. Mix the components in the correct ratio using a suitable low speed electric mixer (300 - 400 rpm) for at least 3 minutes or until a completely homogeneous mixture has been achieved. Put the mixed material into a clean container and mix again for at least 1 minute more. Distribute the mixture immediately onto the surface.

**AB-ZEROPUR 828** is used as pore closure for quartz flooring systems on horizontal surfaces. To spread

**AB-ZEROPUR 828** as an even coat sharply scrape the material over the top of the surface using a rubber rake and finish with a short-haired paint-roller. Prior to, during and after the application the temperature of the substrate must be at least +3°C above the current dew point temperature.

## 3. System description

The following figures are for ambient and surface temperatures of 15 - 23°C. Both high and low temperatures will influence the consumption per m<sup>2</sup>.

**AB-ZEROPUR 828** can be used in various ways. The most common applications are:

### Pore closing for quartz floorings:

**AB-ZEROPUR 828**, colourless

Consumption: approx. 600 - 1500 g/m<sup>2</sup>, depending on grain size and use.

***Avoid double application (wet to wet) because this will lead to partial glossy areas.***

## 4. Packaging

3.5 kg - sets

1.84 kg component A

1.66 kg component B

## 5. Health and safety

### GISCODE: PU60

Wear suitable protective clothing, gloves and eye / face protection. Adequate ventilation of the working area is recommended. 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. When using do not eat, drink, smoke and keep away from sources of ignition. For additional references to safety-hazard warnings, regulations regarding the transport and waste management please refer to the relevant Safety Data Sheet.

## 6. EU Directive ("Decopaint-RL"):

Acc. to the EU Directive 2004/42/EG the maximum allowed content of VOC (Product category All / j / type SB) is 500 g/l (Limit 2010) for the ready to use product. This product is in accordance with the EU Directive 2010.

**AB-ZEROPUR 828**; 2.00/07.01.19. Before use, please check that this is the actual edition of the Technical Data Sheet. The information contained in this Technical Data Sheet is of a general nature and is provided in good faith and we accept no liability for errors or omissions. Because use and application of this product are out of our control and depend, concerning substrate, load and method of application, on the particularities of the individual case, our advice, verbal, written or based on tests, does not exempt the applicator from testing the suitability of the products for the intended use.

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