

EPISOL® STONE DESIGN S

WATER BASED ACRYLATE COPOLYMER SEALER



DESCRIPTION

EPISOL® STONE DESIGN S is a fast-curing, polyurethane acrylate-based, transparent sealer for EPISOL® STONE DESIGN PU stone carpet floors.

BENEFITS

- Solvent-free and very low VOC emissions
- Low odor
- Reaction to fire class Bfl-s1
- Applicable with distribution wiper or plastic wash board
- Good adhesion
- Clear after complete drying
- Tools can be cleaned with water

FIELD OF APPLICATION

EPISOL® STONE DESIGN S is suitable as a pore filler for indoor flooring of EPISOL® STONE DESIGN PU stone carpet.

APPLICATION

Note: The following is a typical application description. In case of other jobsite parameters, please contact our technical department.

PRELIMINARY ANALYSES

Before application of EPISOL® STONE DESIGN S, the room should be arranged so that a wet-in-wet application always takes place so that no overlapping or greasy spots occur. Switch off floor heating 48 hours before application, reactivate when EPISOL® STONE DESIGN S is completely transparent.

REQUIRED TOOLS

Squeegee or plastic tile washing board.

PREPARATION OF THE SUBSTRATE

The substrate consisting of an EPISOL® STONE DESIGN PU stone carpet must be clean, completely sealed, dry and free of dust and grease.

APPLICATION

Using a white rubber squeegee or plastic washing board, apply to the substrate in one or two coats. As a final operation, always wipe off tightly with a clean squeegee in one direction. When finishing with one coat, the pores are largely closed without affecting the optical structure.

With a second coat after 16 hours, the floor is completely sealed at the top and the optical structure results in a different appearance. However, the floor is not liquid-proof.

APPLICATION CONDITIONS

Ensure that the R.H. does not exceed 65% and that the temperature of the substrate is 3 °C above the dew point. The temperature of the material should be in accordance with the ambient temperature at the site (ideal temperature +/- 18 °C).

At temperatures higher than 20 °C, allow for faster drying. Ensure good ventilation, not a draft, to allow the moisture that arises to drain away. If there is insufficient ventilation, the floor may remain white. Drying and curing are strongly dependent on temperature, humidity and the degree of ventilation. Different drying times apply at higher and lower temperatures, respectively. At higher temperatures the open time will be shorter and the risk of setting will be greater. During curing (+/- 7 days at 20 °C and 50% RH) do not cover the floor to allow the necessary evaporation.

CLEANING AND MAINTENANCE

Clean the tools used with water. Cured product residues should be removed mechanically. For cleaning and maintenance of the installed synthetic resin systems please refer to the information sheet: Cleaning and maintenance of synthetic resin floor systems - PUBLIC AND PRIVATE BUILDINGS.

ADVICE / FOCAL POINTS

EPISOL® STONE DESIGN S is ready-to-use and must not be diluted. The product can only be used for interior floors.

TECHNICAL DATA

APPEARANCE - COMPOSITION

Colour	Silk gloss, white and transparent after drying
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REACTION TIMES

Processing time (wet in wet): 15 min.

Skin formation: after 8 hours

Recoatable: after 24 hour

Fully mechanical load: after 7 days

Full curing and chemical resistance: after 28 days

Times measured at 20 °C and 65% RH. lower temperatures extend the curing time.

CONSUMPTION

0.2 to 1.2 kg/m²/coat, depending on the size of the aggregates of the stone carpet.


TECHNICAL DATA

Specific mass	1.02 kg/liter
Percent solid	+/- 45%
Adhesion to concrete	≥ 1.5 N/mm ²
Minimum working temperature	+10°C
Maximum working temperature	+25°C
Maximum humidity	Max. 65%
Substrate temperature	Min. 10°C

CHEMICAL RESISTANCES

Good chemical resistance for domestic use. Very low chemical resistance to softeners, present in car and bicycle tires. For more information please contact RESIPLAST NV.

CE MARKING

	
KORAC NV, Gulkenrodestraat 3, 2160 Wommelgem, Belgium	
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EN 13813	
Synthetic resin floor/coating for indoor use in buildings	
Release of corrosive substances	SR
Abrasion resistance	NPD
Bond strength	≥ B1,5
Impact resistance	NPD
Reaction to fire	Bfl-s1

REFERENCE DOCUMENTS**PACKAGING**

EPISOL® STONE DESIGN S	10 kg	Plastic pail
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STORAGE AND SHELF LIFE

Store EPISOL® STONE DESIGN S products in a dry, well-ventilated storage area between +5 and +35 °C.

Shelf life: 6 months after production date.

In case of doubt, please contact RESIPLAST NV and state the batch number on the packaging. Do not discharge into groundwater, surface water of sewers. Dispose of contaminated packaging and residues in accordance with the applicable legal requirements.

SAFETY PRECAUTIONS

Carefully read the safety data sheets before using EPISOL® STONE DESIGN S. A characteristic odour arises during processing. Ensure adequate ventilation, keep away from sources of ignition and do not smoke. Avoid skin contact. Eye irritation and/or hypersensitivity may occur with severe vapour concentration, inhalation and/or skin contact. Do not store food and/or drinks in the same workspace. Always wear personal safety equipment in accordance with the applicable local guidelines and legislation. Gloves and safety glasses are mandatory.

The above information is provided in good faith, but without any guarantees. The application, use and processing of the products are beyond our control and are, as such, the sole responsibility of the user/processor. In the event that KorAC NV is still held liable for damages, then the claim will still be limited to the value of the goods delivered. We always aim to deliver consistently high quality goods. All values on this technical sheet are average values that result from tests carried out under laboratory conditions (20 °C and 50% RH). Values that are measured on the construction site may show a slight deviation since the environmental conditions, the application, and the way of processing our products are beyond our control. Do not add any products other than those indicated on the technical documentation. This version replaces all previous versions. Version 2.0 Date: 1 August 2023 3:32 pm