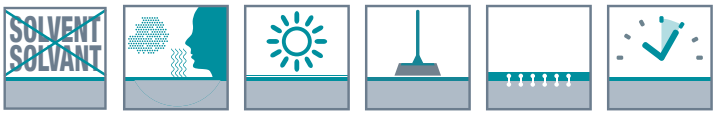
EPISOL® STONE DESIGN RS

PU-ACRYLATE COPOLYMER SEALER



DESCRIPTION

EPISOL® STONE DESIGN RS is a fast-curing, polyurethane acrylate-based, transparent sealer for filling the pores of EPISOL® STONE DESIGN PU stone carpet floors.

ADVANTAGES

- Solvent-free
- Low odour
- Very good weather and UV resistance
- Applicable with distribution wiper or plastic wash board
- Good adhesion
- Fast curing, recoatable after 16 hours
- Clear after complete drying
- Tools can be cleaned with water

FIELD OF APPLICATION

EPISOL® STONE DESIGN RS is suitable as a finishing coat or sealer coat 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 RS, 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 RS is completely transparent.

REQUIRED TOOLS

Wiper, 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 squeeguee 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

EPISOL® STONE DESIGN RS 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

REACTION TIMES

Processing time (wet in wet): 15 min.

Dust-free: after 4 hours

Recoatable: after 16 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

0.6 to 1 kg/m²/coat, depending on the size of the aggregates of the stone carpet.

RESIPLAST

Korachem NV is part of Koramic Chemicals
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TECHNICAL DATA

Specific mass	1.03 kg/liter
Percent solid	+/- 47%
Adhesion to concrete	≥ 1.5 N/mm²
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 KORACHEM NV.

CE MARKING

CE	
KORACHEM NV, Gulkenrodestraat 3, 2160 Wommelgem, Belgium	
23	
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	E_{fl}

REFERENCE DOCUMENTS

bsi. ISO 9001:2015 Quality Management FM 78518

bsi. ISO 14001:2015 Environmental Management EMS 716699

COMPLIANT · COMPLIANT REACH

PACKAGING

EPISOL® STONE DESIGN RS	10 kg	Plastic pail

STORAGE AND SHELF LIFE

Store EPISOL® STONE DESIGN RS 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 KORACHEM 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 RS. 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 Korachem 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: 17 June 2025 10:26 am

RESIPLAST
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