

1. Product Description

StenCure® RS is a polyacrylate-based curing material that prevents water loss on all fresh concrete and creates a protective layer on the concrete surface. It is used after all fresh concrete and concrete surface hardening applications to prevent water loss in concrete, enable concrete to cure, and prevent dusting that may occur on concrete surfaces. Meets the requirements of ASTM C 309 Type I Class B and TS 10966 A-1.

2. Uses

StenCure® RS creates a protective layer on the concrete surface after all fresh concrete and concrete surface hardening applications and prevents water loss. By enabling concrete to cure normally, it prevents strength losses and shrinkage cracks that may be caused by premature drying. It increases the resistance of concrete against carbonation and ion permeability.

On old concrete surfaces, it acts as an impregnation to increase concrete strength. In addition, thanks to its special chemical structure, it is used to prevent dusting that may occur on the concrete surface. A transparent, protective film forms on surfaces treated with **StenCure® RS**, providing sealing.

Due to these properties, **StenCure® RS** can be safely used on all types of horizontal and vertical large concrete surfaces exposed to external conditions.

3. Application

StenCure® RS application is performed after concrete and surface hardening applications, once the concrete has set sufficiently to prevent damage or immediately after form removal, before joint cutting. During brush or roller application, ensure the concrete has set sufficiently to avoid damaging the surface. After **StenCure® RS** application in open areas, the concrete surface must be protected from external factors such as rain for 24 hours.

When a transparent and glossy appearance is desired on the surface or to increase concrete dusting resistance, a second coat of **StenCure® RS** is applied 24 hours after the first coat. After application, the drying time of the material is 1 hour at 20 °C. (ASTM C 309) Since it is a flammable material containing solvent, smoking must be strictly prohibited during application, and ignition sources such as welding and cutting machines must be avoided.

Consumption depends on the absorptivity of the concrete surface where application is performed: For brush and roller application: 0.100-0.200 L/m² For spray application: 0.150-0.250 L/m²

4. Cleaning

Equipment used can be cleaned at the end of the job with **StenSolver**.

Water Retentive Polyacrylate Based Curing Material for Concrete

Highlights

- Polyacrylate-based water retentive concrete curing material
- Prevents cracks that may occur during concrete curing
- Prevents dusting on concrete surfaces
- Increases the abrasion resistance of concrete
- Does not change color on applied surface
- Can be used in indoor and especially outdoor areas requiring UV resistance
- Has water-repellent properties
- Increases concrete's resistance to carbonation and ion permeability
- Can be applied on old concrete surfaces



5. Safety

Applicators and supervisors must read the Material Safety Data Sheet (SDS) carefully and follow the instructions provided. Emptied packages must be handled in compliance with relevant regulations and laws. The application must be carried out by skilled workers under supervision of experts and the applicators must use all kinds of protective equipment required for the worksite and the task such as goggles, mask and gloves.

6. Storage

Products must be stored at +5 °C to +35 °C in closed conditions protected from direct sunlight. Shelf life is 1 year without opening the package. The product must be stirred thoroughly before use after prolonged storage.

7. Disclaimer

This document is provided for general information and reflects **Stenkim®**'s laboratory data and field experience at the time of publication. **Stenkim®** reserves the right to revise this information at any time without notice.

Stenkim® warrants that its products conform to the stated specifications on delivery. The buyer is responsible for determining the product's suitability for the intended application and for all conditions of transport, storage, handling, and use. **Stenkim®** accepts no liability for results obtained under conditions outside its control. **Stenkim®**'s liability under this warranty is limited to replacement of non-conforming product and excludes any consequential or indirect damages.

8. Technical Data

Property	Method	Result
Chemical Composition		Transparent Polyacrylate Solution
Density	EN ISO 2811-2	0.9 ± 0.05 g/cm ³
Flash Point		90 °C
Drying Time		1 hour
Shelf Life		1 year
Packaging		200 kg drums or 1,000 kg IBCs

Stenkim® reserves the right to make changes to the values in this table at any time.

