

## 9010 SI SEAL Impregnation

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### Product description

This 9010 SI SEAL is a specially developed concrete impregnator for floors and offers long-lasting, permanent protection against moisture, stains, and dirt. Due to its water-repellent effect, it prevents moisture penetration. 9010 SI Seal is a ready-to-use, 1-component sealer; an aqueous impregnation for cement-based surfaces such as concrete. The 9010 SI Seal is primarily used as a transparent finish for smooth, high-quality, and hard-grained industrial concrete floors. This impregnator changes the color depth of the surface only slightly and preserves the concrete character.

The hydrophobic surfaces are water-repellent and tend to accumulate less dirt and stains. Furthermore, the product increases the hardness and chemical resistance of the surface. The product is solvent-free, environmentally friendly, and odorless. Application is simple.

### Product details

<b>Packaging size</b>	10 Liters	<b>Set size</b> Jerrycan of 10 Liters
	20 Liters	<b>80x on pallet</b> 20-liter jerrycan <b>40x on pallet</b>
<b>Appearance</b>	Transparent	
<b>Shelf life</b>	12 months after the production date when stored at normal temperature (15 °C). See more under <i>storage</i>	

### Product applications

- **Warehouses & distribution centers** – Strengthens the concrete structure and reduces dust formation.
- **Factory halls** – Protects against chemical influences and wear from heavy machinery.
- **Workshops & Garages** – Prevents the absorption of oil, grease, and other liquids.
- **Parking garages** – Reduces wear from car traffic and protects against de-icing salts.
- **Food industry** – Makes concrete less porous and more hygienic.
- **Showrooms & shopping centers** – Improves the appearance and makes the surface low-maintenance.
- **Airports & Stations** – Ensures a more durable, dust-free, and more resistant surface to intensive use.
- **Public buildings (schools, hospitals, museums)** – Reinforces the floor and simplifies maintenance.
- **Homes** – Preserves the natural concrete look while the surface becomes less prone to staining

### Technical specifications

Similar mass (density)	1.07 kg/d m <sup>3</sup>
Mixing ratio	N/A
Consumption	75 to max 200 g/ m <sup>2</sup>
Processing time	N/A
Dust dry	After 8 hours *
Fully loadable	3 days
Viscosity (mPa.S)	200 – 300
Active ingredient content	25%

At normal temperature of 20°C.

### Product processing conditions

Subsurface temperature	Minimum 10°C, maximum 30°C, Optimal 20°C
Ambient temperature	Minimum 10°C, maximum 30°C, Optimal 20°C
Subsurface moisture content	Moisture < 4%
Relative humidity	Maximum 75% RH (evaporation rate applies to the product; the higher the RH, the longer it takes to evaporate.)
	at least 3°C above the dew point.
Dew point	These conditions apply to both the processing and evaporation of the product.
Pay attention	Apply the product only to clean and dry surfaces.

### Work and environmental protection

Solvent-free. Non-flammable: Contains Polysiloxane, no hazards. Non-corrosive.

Wear suitable protective gloves and safety glasses during processing. Do not allow to enter open water or soil. Observe, among others, hazard/safety instructions on the can label and the safety data sheet. Odor-neutral after evaporation and ecologically and physiologically harmless.

### Removal of material

Product residues that have not evaporated. Do not allow to enter sewers, open water, or soil. These unevaporated components are chemical waste.

### Processing instructions

Apply generously and thoroughly in a single layer using a lint-free microfiber roller and a foam squeegee. Sufficient material has been applied when the concrete surface is saturated with the impregnating liquid. For larger surfaces, it is recommended that 2 or, preferably, more people carry out the impregnation. One or more people apply the material in one direction, while another person distributes the fresh material after a short time by reapplying it in a criss-crossing motion (at a 90° angle). The material must be distributed evenly throughout the layer thickness by rolling with the excess material on the surface being removed. Avoid leaving puddles. Use a 50 cm wide roller on larger surfaces. When rolling, ensure that a new and clean roller is used exclusively for applying the hydrophobic coating.

The surfaces must be well ventilated so that the water can dry properly. The floor and air temperatures must not be lower than 10 °C and the humidity must not be higher than 75%. The recommended climatic conditions must also be maintained during curing or drying. The difference between floor and room temperature must remain less than 3 °C / 3 K / 5.4 °F. Maintain 3 K/5.4 °F so as not to impede the curing or drying process. If a dew point situation occurs, regular curing will not be possible, resulting in curing problems and

**staining** . Exposure to water must be avoided during the first 24 hours. The indicated curing times apply to 20 °C. Temperatures below this require a longer processing time and a longer drying time.

### Storage and shelf life

The product must be stored dry at temperatures of at least 10 and at most 30 degrees. Under these conditions, the shelf life of an unopened package is at least 12 months. *Store the packaging frost-free* .

### Substrate requirements

The cementitious substrate to be impregnated must be clean, dry, and dust-free and must not contain weak-adhering components or surfaces. Materials that impair adhesion, such as grease, oil, and paint residues, must be removed by appropriate measures. Observe the information from professional associations, e.g., the most recent versions of BEB worksheets KH-0/U and KH-0/S. Fresh substrates must be damp-dried and walkable.

If surfaces already in use are impregnated, they must be cleaned and sanded if necessary. In case of doubt, a test area is recommended to assess the result on the relevant existing substrate. Concrete surfaces modified with synthetic resins can no longer be impregnated.