

HB100

WATER-REPELLENT IMPREGNATION FOR CONCRETE AND PAVING STONES

USE

- For the protection of structures exposed to a wide range of atmospheric and external influences
- The product is also suitable for the protection of concrete and stone substrates, both new and existing

ADVANTAGES

- Penetrates deep into porous substrates
- Does not stain most surfaces
- Reduces absorption of water and other contaminants
- Increases resistance of the substrate to soiling
- Reduces algae and lichen growth
- Increases substrate resistance to frost
- Reduces efflorescence on treated surfaces
- Has high chemical resistance to atmospheric pollutants, grease, oil, fuel, cleaning agents and snow and ice dissolvers

MATERIAL DESCRIPTION

- HB100 is a single-component solvent-based system based on special silicones. It penetrates deep into the porous substrate, where it then reacts by filling the pores and forming a continuous, water-, oil- and fuel-resistant layer in the concrete substrate.
- The depth of penetration of the impregnant depends on the porosity of the substrate and the consumption of HB100 per 1 m² of surface.
- The hydrophobic layer created allows the diffusion of water vapour from the substrate
- HB100 does not change the colour of most substrates and has very good weather resistance

CHARACTERISTICS

HB100 applied in two layers, at a rate of no less than 0.3 l/m² of material, reduces water absorption by 90%.

PARAMETER	UNIT	VALUE
Density	g/cm ³	0,78
Viscosity	mPa*s	1,31*
pH		4,5 – 5,5
Film-forming temperature	°C	6
Temperature of use	°C	5–25
Efficiency	kg/m ²	0,1–0,40

Viscosity at 25° C according to ASTM D 445

APPLICATION

The surface to be impregnated must be dry, clean and free from contaminants such as, grease, oil, grease, moss, old paint coatings.

HB100 is applied in two or more coats depending on the tightness of the substrate. The application of the material is by spreading and spreading with rollers or spraying. After a minimum of 3 hours at 18°C, the operation can be repeated. For more porous substrates (brick, masonry, etc.), the material consumption will be higher.

CLEANING AND MAINTENANCE OF A CONCRETE FLOOR

- **Si-Clean** – preparation for daily cleaning and care
- **Si-Wax** – self-gloss polymer paste
- **Si-Active Concrete Clean** – alkaline cleaner for basic cleaning and removal of heavy soiling

RESTRICTIONS

- HB100 may not be used on damp substrates and for waterproofing concrete and masonry substrates subject to a pressurised water table.
- The minimum application temperature is 2°C.
- The material does not ensure the tightness of substrates subject to hydrostatic or other pressure

STORAGE PERIOD AND TRANSPORT

HB100 can be stored for a period of 12 months and stored and transported in a dry, cool room in its original sealed packaging away from fire.

WARNINGS

- avoid contact with skin and eyes
- material should only be used in well-ventilated areas
- in case of inadequate ventilation, use appropriate protective equipment
- do not inhale vapours
- wear suitable protective clothing, gloves and safety goggles
- seek immediate medical attention if material is swallowed
- Vomiting should not be artificially induced
- in case of skin contact, wash irritated area with plenty of soap and water
- in case of contact with eyes, wash with plenty of water and then seek medical attention
- keep material away from sources of ignition
- do not smoke in the vicinity

Note: *The above information has been compiled to the best of our technical knowledge, but is not legally binding.*