

NEVOSIL® SI 7200

Water Repellent for Construction Materials

Characteristics

Solvent dilutable silane/siloxane mixture.

Properties

- ✓ Good depth of penetration
- ✓ High alkaline resistance
- ✓ Rapid development of water repellency by reacting air moisture/water instantly
- ✓ No impairment of the water vapor permeability of the applied surfaces

Application

NEVOSIL® SI 7200 is used to impart water repellency to all types of absorbent, porous and mineral based construction materials. NEVOSIL® SI 7200 is also used as a water-repellent primer for high quality and water repellent interior and exterior coating applications.

NEVOSIL® SI 7200 reduces the capillary absorption of the applied surfaces, but does not clog pores or capillaries. Therefore, there is no impairment of the material's ability to breathe.

Technical Data

Appearance	Transparent, yellowish liquid
Active content (wt %)	~100
Viscosity (23°C) (mPa.s)	<30

* These figures are only intended as a guide and should not be used in preparing specifications.

Processing

Water-free aliphatic hydrocarbons (e.g. white sprite) and aromatic hydrocarbons (e.g. solvent naphtha) should be used in order to dilute NEVOSIL® SI 7200. The solvent used should have a boiling range of 140-190°C and an evaporation number of 30-90. If the above-mentioned hydrocarbon solvents are used, NEVOSIL® SI 7200 should be diluted in a weight ratio of 1:11 to 1:15. When there is no possibility to use hydrocarbons, anhydrous alcohols could also be used as a solvent instead. But it is important that the alcohol must be completely anhydrous since the active contents should react with water and lose their effectiveness.

The data presented in this leaflet are in accordance with the present state of our knowledge, but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants with the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials.

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If alcohol is used as a solvent, a dilution ratio of 1:12 is recommended. Of course, the optimum amount should be determined by making preliminary trials. When impregnating slightly damp substrates, NEVOSIL® SI 7200 will give better results if diluted with hydrocarbons than with alcohol.

NEVOSIL® SI 7200 solution, which has been prepared and ready to use, should be applied without pressure, starting from the top to the bottom of the surface of application until fully saturated.

NEVOSIL® SI 7200 should be applied to mineral based construction materials at 2-3 times until the substrate fully saturated. Apply the next when the substrate has absorbed the previous one and is no longer shiny. The substrate must not have damp spots, i.e. it should look dry. Do not leave long breaks between coats.

During the application of NEVOSIL® SI 7200, it is recommended to cover windows and other non-absorbent surfaces properly. If any splashes on window panes, immediately wipe off by means of a solvent, otherwise permanent spots might form due to the fact that active components will react within 1 to 2 hours.

Proper safety precautions should be observed when using diluted product. If applied in closed areas, proper air ventilation must be maintained.

Storage / Shelf Life

NEVOSIL® SI 7200 has a shelf life up to 9 months if stored in tightly closed original containers between 5-35°C. If the material is kept beyond the shelf life recommended, it is not necessarily unusable, but quality control should be performed on the properties relevant to the application. The containers must be protected against sunlight and frost.

Packaging

25, 55, 110 and 200 kgs plastic drums or 900 kgs IBC containers.

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