



## **FARAZSIL® NFS 290**

Silane/Siloxane hydrophobic Treatment  
Water Repellent Surface impregnation  
Long Lasting and Strong Protection Against Moisture

### **Product description**

**FARAZSIL® NFS 290** is a silicone concentrate that is based on a mixture of silane and siloxane. It is dilutable with organic solvents. Diluted solutions of FARAZSIL® NFS 290 are high quality general purpose water repellent water proofing for impregnating various substrates such as brick, concrete, natural and artificial stone, highly alkaline substrates and in general made of the most frequent materials used in this type of construction.

### **Features and Benefits**

- Strong reduction in water uptake
- Excellent water repellent and consequently:
  - Salt barrier – chlorides dissolved in water are blocked (e.g. road salt and sea water)
  - No corrosion – the reinforcing steel does not rust, as no moisture reaches it
  - No frost damage – greater resistance to freeze/thaw cycles
- FARAZSIL® NFS 290 provides a comprehensive and long-lasting protection of construction materials against water intrusion, efflorescence and destruction by water-soluble pollutants as well as against frost damage and the attack of micro-organism.
- Excellent depth of penetration
  - Due to its high penetration ability, FARAZSIL® NFS 290 can impregnate the substrate in depth and create a protecting barrier from rain for a long time.
- FARAZSIL® NFS 290 does not create a membrane or alter the appearance of the surface; it does not shine, but allows the structural member to breathe.
- The FARAZSIL® NFS 290 impregnated surface remains clean because the rainwater does not penetrate the pores, but is repelled, carrying away any stuck dust.
- Does not influence water-vapor permeability
- It minimizes the appearance of salts and damages caused by frost that is frequent in wetted surfaces.
- Excellent chemical resistance
- Resistance to UV light
- Surfaces not rendered shiny or tacky, or caused to yellow

### **Application Area:**

FARAZSIL® NFS 290 is suitable for imparting water repellency to absorbent, porous, mineral building materials. Eg :

- All kinds of concrete
- Mineral plasters
- Cement Fibreboards

- Sand lime brickwork
- Brick work
- Aerated concrete
- Mineral-based natural and artificial stone
- Mineral Paints

### **Typical Product Data Property**

Active substance	Approx. 90 %
Appearance	Clear, liquid
Density, 25 °C	0.82 g/cm <sup>3</sup>

### **Processing**

Deposition method of this coating on various surfaces is by using the spray or brushes. The coating method of this product is single-step, quite simple, easy, economical and practical.

Before coating, the surface must be cleaned from grease and dust.

Old and flaky paint (if there is) must be removed from the surface through sanding before coating the surface.

Stir the bucket or drum before using.

FARAZSIL® NFS 290 is ready to use after dilution. Apply several coats, wet on wet, until the substrate is saturated. Generally, at least two applications suffice for all substrates.

Dilute FARAZSIL® NFS 290 in a ratio of 1:10 to 1:15 with solvent. The solvents best suited for diluting FARAZSIL® NFS 290 are aliphatic hydrocarbons (e. g. White Spirit), aromatic hydrocarbons (solvent naphtha) or low-odor isoparaffin hydrocarbons. The solvent used should have a boiling range of 140-190°C and an evaporation number of 30-90.

Stir vigorously when adding the diluent to FARAZSIL® NFS 290. Since FARAZSIL® NFS 290 reacts with humidity, prolonged contact with air must be avoided. The containers must be hermetically sealed.

### **Storage**

One year shelf life when stored in cool and dry place in closed containers at a temperature of 5-35 °C. Since FARAZSIL® NFS 290 reacts with humidity, prolonged contact with air must be avoided. The containers must be hermetically sealed.