

**Water repellent product in gel form, based on a blend of silane/siloxane (25%)**

#### **Application**

- Hydrophobic impregnation on a gel basis to prevent moisture infiltration
- Applicable to brickwork, concrete, as well as silicate stone and roof tiles
- Only apply to porous, mineral materials

#### **Properties**

- Stops moisture infiltration.
- Protects against frost damage (very important for (post-)insulated facades.
- Does not reduce water vapour permeability, allowing the wall to continue to breathe.
- Reduces the rate of soiling of the material.
- Prevents greying (gypsification).
- Limits deterioration caused by acid rain.
- Protects against salts from sea water or de-icing salts dissolved in water.
- Increases the insulation value of the treated surface.
- Good resistance to alkalis.

#### **Directions**

##### **Preparation**

- The surface must be clean, sound and sufficiently dry.
- After cleaning, you will need to rinse the surface, until it is free of dust.
- Poor quality joints, cracks or cavities in the bricks must first be repaired.
  - o After repointing and repair fresh joints: wait at least 8 days before to impregnate.
- Pulverulent materials should first be treated with a stone hardener from our range (Artisil SVS 75 or Artisil SVS 100).
  - o After treatment with a stone hardener: wait at least 3 weeks before applying **Gelifuge**.

##### **Work method**

- The treatment is done using a brush, a lambskin roller or an airless sprayer.
- The product is applied in a single layer, taking into account the required consumption.
- Due to its gel-like viscosity, the product is spreadable, in contrast to traditional liquid impregnating agents. Because of this, the porous surfaces of the facade can be treated easily and without any risk of the product touching non-porous surfaces.
- The substrates on which **Gelifuge** is applied must be sufficiently porous to guarantee optimum penetration. The functionality and effectiveness of the final system are also determined by the absorptive capacity of the substrate to be treated. In case of doubt, a preliminary test should always be carried out.
- The total impregnation time of **Gelifuge** can vary from a few hours to a few days, depending on the ambient temperature and the porosity of the surface. After impregnation, the surface may darken and may even show a slight sheen in exceptional cases. This darkening may last up to several weeks, depending on the temperature. This effect eventually disappears as the product fully cures.

#### Important remarks

- Take special care when treating facades containing locally slightly or non-porous materials like bluestone, marble or enamelled brick. **Gelifuge** polymerises on these surfaces and may stain them. To prevent this from happening, these surfaces need to be protected against penetration of the product by saturating them with white spirit in advance. In case any product does get on these surfaces, use a cloth soaked in white spirit to clean them before the product has dried.
- The same precautions are to be taken for windows and glass that are best protected prior to the treatment in a careful and efficient manner
- If in doubt, we recommend that you first test the product on a small area. This will enable you to detect any faults and observe changes in appearance that can be caused by this type of treatment.
- When the product is applied on natural stone, it may cause the surface to become darker or discoloured in places. Since these are usually undesired effects, we do not recommend using this product on natural stone.
- Treatment is not recommended if efflorescent salts are present.
- The ideal temperature for application is between 5°C and 30°C.
- In case of sudden rainfall, immediately stop the treatment and protect the already treated areas from the rain.
- Never apply **Gelifuge** in full sunlight, as the product may liquify too quickly. This will give the product insufficient time to penetrate and may cause it to run off the facade.

#### Technical characteristics

Form	gel form, milky white, transparent after drying
Active substance content	25% (silanes and siloxanes)
Bulk density	+/- 0,85
Flash point	75°C
Effectiveness on brick after accelerated ageing	100% (class A)
Effectiveness on sand-lime bricks after accelerated ageing	100% (class A)

#### Reports

- Buildwise DE-BPR/-0011/EXT: Efficiency, side effects and durability of the water repellent product

#### Quantity to use

0,150 up 0,300 kg per square metre, depending on porosity and nature of the surface

#### Packaging

4 kg, 18 kg

#### Safety information – Transport – Handling and storage - Waste

Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue. We accept no liability for damage or hindrance of any kind which could be caused by the use of the product concerned.

**Transport and storage**

Transport and store away from frost. Protect the product and its packaging against direct sunlight. Avoid storage at temperatures >30°C.

**Storage life**

1 year after manufacturing in the original closed packaging.

**Considerations**

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.