

WATER REPELLENT SURFACE PRODUCT – WATER REPELLENT PRODUCT IN GEL FORM, BASED ON A BLEND OF SILANE/SILOXANE - WTCB REPORT DE 622X863N

Application

GELIFUGE NEW is used to reduce the infiltration of moisture in porous masonry without significantly reducing water vapour permeability. Because of their reduced moisture absorption, the materials become dirty less quickly and any changes caused by acid rain are also limited. **GELIFUGE NEW** can be applied onto bricks, sand-lime bricks, roof tiles, etc... on the basis that these materials are sufficiently porous. This product is not suitable for application on non-porous surfaces, such as natural blue stone, marble, glazed bricks, etc., or on surfaces covered with organic paint. If applied to natural stone, the product may cause the surface to become darker or discoloured in places. As these effects may not be desirable, we do not recommend that you use this product on natural stone.

Product description

GELIFUGE NEW is a blend of silane/siloxane. It is thixotropic. Because of its gelatinous viscosity, the product is very easy to spread onto surfaces. This means that porous parts of facades can be treated easily and without any risk of the product touching non-porous parts. Provided care is taken, it is not necessary to protect windows and glass panes. Another advantage of **GELIFUGE NEW** is that it can be applied in a single coat, unlike conventional liquid products. Its high concentration and the fact that it comes in the form of a gel also mean that you have to apply smaller quantities than with liquid products. The product has a high penetration capacity and is alkali/UV resistant. **GELIFUGE NEW** polymerises due to the moisture present in the surface or air, in order to form a tack-free polysiloxane with water repellent properties. The product becomes fully water repellent within four months of treatment. Especially in the early stages, **GELIFUGE NEW** gives treated surfaces a visible “beaded” quality. Even after rapid weathering, **GELIFUGE NEW** remains 100% effective on bricks. **GELIFUGE NEW** holds the following quality reports and/or approvals:
- WTCB report DE 622X836N

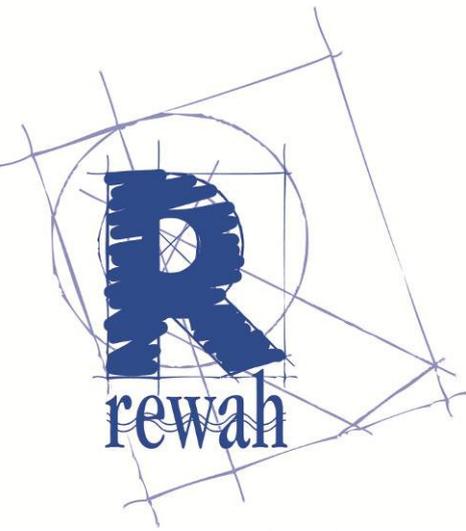
Characteristics and properties

Form	Presented in gel form, milky white, transparent after drying
Active substance content	25% (silanes and siloxanes)
Bulk density	Approx. 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)

Directions

Preparation

When applying **GELIFUGE NEW**, the surface must be clean, sound and sufficiently dry. You are advised to clean old and soiled surfaces before treating them. After cleaning, the surface should be rinsed until it is free of any dust. Poor quality joints, cracks or indentations in the bricks must first be repaired. It is necessary to wait 8 days before you begin to impregnate fresh joints or recent repairs with a water repellent product. Pulverulent or powdery materials should first be treated with a stone hardener from our range (ARTISIL SVS 75 or ARTISIL SVS 100) in order to restore their mineral structure. After treatment with a stone hardener, you will need to wait at least 3 weeks before applying **GELIFUGE NEW**. The required amount of **GELIFUGE NEW** ranges from 0,150 – 0,300 kg per square metre, depending on the porous structure of the materials needing to be treated.



In order to accurately estimate the required quantity, you are advised to conduct a test prior to treatment. Two weeks later, you should measure water absorption, using a Karsten tube, in order to check that the treatment has been effective.

Warning

As **GELIFUGE NEW** is spreadable, it is possible, provided the required precautions are taken, to treat porous zones, without any risk of the product touching low-porosity or non-porous materials, such as dressed stone, marble, glazed bricks, etc. If the product accidentally comes into contact with these materials, it should be removed immediately using a cloth soaked in white spirit. Similar precautions should be taken with windows and glass panes, which should preferably be protected carefully and effectively before being treated with an appropriate adhesive film. If in doubt, you are advised to first conduct a test. This will make it possible to detect any defects and observe visible changes that may be caused by treatment. Treatment is not recommended if efflorescent salts are present. The time that it takes **GELIFUGE NEW** to fully penetrate can vary from a few hours to several days, depending on the ambient temperature and porosity of the surface. After impregnation, the surface may become darker or even, in exceptional cases, have a slightly shiny appearance. This darker colour can even, depending on the temperature, remain the same for several weeks. This phenomenon disappears as the product stops reacting. If it suddenly rains during treatment, work should immediately be halted and areas already treated should be protected against the rain. The ideal temperature during application should be between 5°C - 30°C. Do not apply the product at temperatures below 5°C or onto surfaces with temperatures above 30°C. **GELIFUGE NEW** must not, under any circumstances, be applied in direct sunlight, as there is a risk that the product may become liquid too quickly, so that there will not be enough time for it to penetrate the surface and it may run off the facade. Do not use on surfaces which have already been treated with a water repellent product.

Work method

The treatment should be applied, using a brush, lambskin roller or airless pistol. The required amount of the product should be applied in a single coat.

Safety information – Transport – Handling and storage - Waste

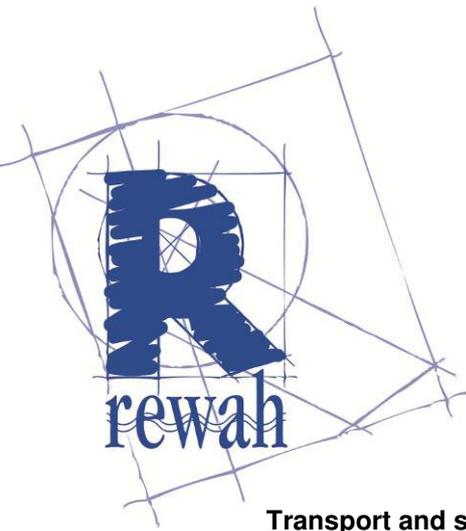
Consult the most recent and product-related safety information sheet from Rewah in compliance with the (EU) 453/2010 annex II/A guidelines. The information on the abovementioned safety information sheet has been drawn up with the greatest care and is based on the knowledge available at the date of issue.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

Consumption/Dosage

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

Packaging

4 kg and 18 kg



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

6 months 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.