

# TECHNICAL DATA SHEET

## REWAH AQUASIL RS 8

### 1-COMPONENT WATERBASED SEALER

MOISTURE-PROOF PRODUCT BASED ON OLIGOMER SILOXANES IN AN AQUEOUS EMULSION - WTCB REPORT N° DE 62-24632-17

#### Application

**REWAH AQUASIL RS 8** is engineered to repel moisture in brick and porous stone masonry. The product decreases water penetration in building materials without significantly changing the water vapour permeability. This product is used in particular for protecting the outside of walls against environmental damage by reducing the adhesion of pollution, making self-cleaning and maintenance easier and limiting acid rain damage to limestone walls.

#### Product description

**REWAH AQUASIL RS 8** is composed of oligomer siloxanes in an aqueous emulsion. The content of active ingredients amounts to 8 % in weight. The efficiency of the product equals the laboratory test results in accordance with the method produced by the WTCB (Scientific and Technical Center for the Construction Industry) and the KIK (Royal Institute for Art Heritage) in compliance with the recommendations of the RILEM (International Meeting of Laboratories for Tests and Research on Materials).

**REWAH AQUASIL RS 8** holds Test Report DE 62-24632-17, HD 340/133-126 from the WTCB, ref RILEM-25 PEM, DIN 52615, SAEV 1960.

#### Characteristics and properties


Content of active ingredient:	8 % modified oligomer siloxanes
Specific weight:	± 1.0
Flash point:	none
Colour:	milky white
Initial effectiveness on brick:	100 % - Class A product
Effectiveness on brick after accelerated ageing:	100 % - Class A product
Reduction in water vapour permeability:	0-10 % -Class A product
Complete WTCB report:	DE 62-24632-17 HD 340/133-126

#### Directions

##### Preparation


When applying **AQUASIL RS 8** the substrate must be clear, sound and sufficiently dry as mentioned in 5.4 of the Technical Notice 140 by the WTCB. It is advisable to clean old dirty substrates before treatment (see cleaning techniques in the Technical Notice 197 of the WTCB and our chapter on cleaning products). After cleaning, the substrate must be well rinsed. Bad joints, cracks or cavities in the stone must be repaired first. It is important however to wait 8 days before treating fresh pointing.

Powdery materials first must be treated with a stone hardener from our range (Artisil SVS 75 or Artisil SVS 100) in order to rebuild the mineral structure.



Depending on the pore structure of the materials to be treated, quantities used range between 0.25 litres and 1 litre and over for one square meter. To obtain an accurate estimate, a preliminary test is advised, followed after 8 days by measuring the water absorption by means of a Karsten pipe in order to gauge the effectiveness of the treatment.


### Precautions



Special precautions must be taken in the treatment of outer walls featuring non-porous or slightly porous materials such as blue stone, marble, enamel coated brick. In order to avoid stains, these surfaces must be immediately cleaned after application with a cloth soaked in water before being left to dry. Similar precautions are to be taken for windows, glass and borders that are best protected prior to the treatment in a careful and efficient manner.

The product is not suited for use on surfaces painted with organic paints. If in doubt or in the case of efflorescence salts a preliminary test is advised in order to detect possible incompatibilities and to make sure that the treated surface is visually acceptable.

### Work method



It is preferable to apply the product by flooding the substrate under low pressure in order to avoid misting of the product. The application should start at the bottom going upwards in horizontal zigzag movements so that a runoff of approximately 20 cm is achieved.

Two subsequent applications must be carried out when the product is still wet.

### Safety measures / transport and storage

Consult the safety advice in compliance with guideline EEG 91/155. Transport and store the product in frost-free conditions.

### Quantity to use

Between 0.25 to over 1 liter per square meter depending on the porosity.

For an accurate estimate, absorption tests with a Karsten pipe will need to be conducted.


### Packaging

10/25/ 210 and 1,000 litre containers.

### Storage life

6 months when the container seal is broken.

### Disclaimer



This chemical product, its labelling and the information contained on the Technical Data Sheet and MSDS, including any directions and recommendations for its use, are based on extensive research and experience. The information provided however does not exempt the customer from examining the product and its directions for use, to determine that it is suitable for the purpose for which it is intended.

This document contains all the information known to us at the date of publication.