

## Technical Data Sheet

# Protectosil® WS 602

Aqueous emulsion based on organofunctional siloxanes

## PRODUCT DESCRIPTION

Aqueous emulsion for the water repellent treatment of porous mineral materials, especially facades

### Typical Properties

Property	Unit	Value
Appearance		White liquid
Active Content	%	~50
Density DIN 51757 (@20 °C )	g/cm <sup>3</sup>	~1.017
Flash Point EN 22719	°C	>90
pH Value		6.5 – 8.5
Viscosity DIN 53015	mPa·s	~20

The data represents typical values (no product specification)

## TYPICAL APPLICATIONS

Protectosil® WS 602 is well suited for the water-repellent impregnation of porous mineral substrates.

Protectosil® WS 602 is very efficient on

- mineral renders
- sand-lime brickwork
- hard-baked brickwork
- roofing tiles

## BENEFITS & ADVANTAGES

Protectosil® WS 602

- provides significant reduction of water uptake
- shows very high reactivity and resistance against alkali
- penetrates deeply into porous, mineral substrates
- shows no formation of sticky silicone films
- gives invisible and water vapor permeable protection
- reduces the uptake of water-soluble pollutants
- should be diluted with water before use

## DOSAGE

For most applications a dilution of 1:4 - 1:1 of the product in demineralized water is recommended. The amount of Protectosil® WS 602 to be applied and the concentration to be used are highly depending on the absorbancy of the substrate and the desired penetration depth.

To determine the exact amount to be applied and to check whether previous or following treatments are compatible with the Protectosil® WS 602 treatment it is recommended to do a small test patch first.

## HANDLING & PROCESSING

Substrates to be treated should be dry and clean. Acceptable surface cleaning methods include sandblasting and water blasting.

Most liquid delivery devices (e.g. airless spraying equipment) are suitable. The material should not be atomized or applied with a brush.

Due to its high water content Protectosil® WS 602 is frost-sensitive and should therefore not be used at temperatures below 0 °C. The ideal temperature range for the application is +5 °C to +40 °C.

Do not apply if rain is expected or if high winds or other ambient conditions prevent proper application.

A substrate that has already been made water repellent cannot be treated with Protectosil® WS 602 as it no longer allows penetration of a water-based siloxane emulsion. In such cases a pure silane system such as Protectosil® 009 can be used.

Non-absorbent substrates such as window frames, window sills, plastic fittings, window glass, etc., should be covered before application.

Surfaces which accidentally come into contact with Protectosil® WS 602 can be cleaned with alcohol (spirit) or aqueous soap solutions. Cleaning should be carried out as quickly as possible (within a few hours), otherwise formation of a silicone resin film can make cleaning more difficult. Silicone resin films are best removed using ethanol (or spirit).

Plant life should be protected against overspray.

## SAFETY

Before considering the use of Protectosil® products please read its Safety Data Sheet (SDS) thoroughly for safety and toxicological data as well as for information on proper transportation, storage and use.

The Safety Data Sheet is available on our website <https://www.evonik.com/en/company/businesslines/se.html> or upon request from your local representative, customer service or from Evonik Operations GmbH, Product Safety Department, E-MAIL [sds-hu@evonik.com](mailto:sds-hu@evonik.com).

## PACKAGING

Protectosil® WS 602 is supplied in 25 l PE-canisters, 200 l steel drums with PE inliner and 1000 l containers.

## STORAGE

The product should be stored at temperatures between 3 °C and 40 °C.

Do not allow material to freeze.

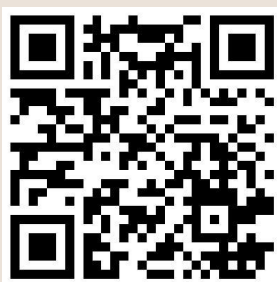
## SHELF LIFE

Protectosil® WS 602 has a shelf life of at least 12 months if stored in originally sealed containers.

### Registration Listings

Registry	Status
Australia (AIIC)	No
Canada (DSL)	Information upon request
China (IECSC)	Information upon request
European Union (EINECS/ELINCS)	Yes
Japan (ENCS)	Yes
South Korea (KECL)	Yes
Philippines (PICCS)	Yes
United States of America (TSCA)	Yes

For further information  
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Customer Portal



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