

# RAYSTON WATER REPELLENT

RAYSTON  
products



## Masonry water repellent

### DESCRIPTION

Rayston Water Repellent is a silicone concentrate that is based on a mixture of silane and siloxane with appropriate solvent. Dilution is not necessary, and the product is ready to be used. It serves as high-quality general-purpose water repellent for impregnating and priming mineral and highly alkaline substrates

### APPLICATIONS

Waterrepellents for impregnating and priming mineral and highly alkaline substrates.

Rayston Water Repellent is suitable for irting waterrepellency to absorbent, porous, mineral construction materials, e. g.:

- brickwork
- all kinds of concrete
- aerated concrete
- sand-lime brickwork
- cement fiberboards
- mineral plasters
- mineral-based natural and artificial stone
- mineral paints

Rayston Water Repellent is also suitable as primer for exterior paints.

Rayston Water Repellent is not suitable for rendering gypsum water repellent.

### PROPERTIES

After application to the mineral substrate, Rayston Water Repellent reacts with the atmospheric moisture or pore water in the substrate, thereby generating the active ingredient while liberating alcohol. The active ingredient greatly lowers the water absorbency of the substrate, which nevertheless retains a very high degree of water vapour permeability since neither pores nor capillaries are clogged.

- Good depth of penetration
- High resistance to alkalis
- Tack-free drying
- Effective even on damp substrates
- Rapid development of water repellency

### TECHNICAL DATA

#### INFORMATION ON THE PRODUCT BEFORE APPLICATION

Appearance colorless, hazy

Silane / siloxane content More than 6 %

Density at 25 °C 0,876 g/cm<sup>3</sup>

DIN 51757

Viscosity, dynamic 15 - 19 mPa.s

DIN 51562

Flash point 27 °C

DIN 51755

### SUPPORT REQUIREMENTS AND QUANTITY

Before applying Rayston Water Repellent, be sure to cover windows and other non-absorbent surfaces properly because the product cures so quickly that it will be extremely difficult, if not impossible, to remove after a few hours. Wipe off any splashes on window panes immediately, using a solvent if necessary. For this reason, the figures quoted below are intended as a guide only:

Substrate	l/m <sup>2</sup>
Concrete	0.25-0.5
Plaster	0.5-1.0
Sand-lime brick	0.4-0.7
Brickwork	0.4-2.0
Aerated concrete	0.5-2.0
Cement fiberboard	0.1-0.3
Natural Stones	0.05-0.3

### STORAGE

The expiration date of each batch is shown on the product label.

### APPLICATION GUIDELINES

Flooding, preferably not under pressure, is the best technique for applying Rayston Water Repellent, which is ready to use. Apply several coats, wet on wet, until the substrate is saturated. Generally, at least two applications suffice for all substrates.

Do not leave long breaks between coats. Apply the next when the substrate has absorbed the previous one and is no longer shiny (wet-on-wet working). The substrate must not have damp spots, i. e., it should look dry. The requisite quantity of Rayston Water Repellent depends on the absorbency of the substrate. The amount of impregnating agent required for a substrate and the effectiveness of the impregnation should be determined on site by testing a small area of the material to be treated.

### SAFETY NOTES

Comprehensive instructions are given in the corresponding Material Safety Data Sheets. They are available on request from Krypton Chemical subsidiaries.

### COMPLEMENTARY INFORMATION

The information contained in this DATA SHEET, as well as our advice, both written as verbal or provided through testing, are based on our experience, and they do not constitute any product guarantee for the installer, who must consider them as simple information.

We recommend to study deeply all information provided before proceeding to the use or application of any of our products, and strongly advise to conduct tests "on-site" in order to determine their convenience for a specific project.

Our recommendations do not exempt of the obligation of installers to deeply study the right application method for these systems before use, as well as to conduct as many preliminary tests as possible should any doubt arise. The application, use and processing of our products are beyond our control, and therefore under the exclusive responsibility of the installer. In consequence, the installer will be the only responsible of any damage derived from the partial or total in-observation of our indications, and in general, of the inappropriate use or application of these materials.

***This Data Sheet supersedes previous versions.***



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Latest update:

20/08/2022

Page:

1/1