

PRODUCT DATASHEET

SEALER

MANUFACTURER'S CODE: S1-1000

UPDATED: 12-06-2023

PRODUCT NAME: RED WOLF SEALER

DESCRIPTION: RED WOLF SEALER is a general-purpose solvent-based silane/siloxane impregnant for masonry building materials. The product is designed to penetrate into the capillaries of masonry surfaces and render the substrate water repellent. This water repellent zone reduces the absorption of water or other water-borne staining materials which are responsible for the bulk of the deterioration in masonry building materials and significantly reduces the incidence of efflorescence. The treatment will not significantly change the appearance of masonry substrates or their vapour permeability. A slight darkening of the surface may occur for some substrates.

RECOMMENDED USES: RED WOLF SEALER is recommended as a water repellent sealer for porous masonry building substrates such as concrete, natural stones, concrete blocks & pavers, clay bricks & terracotta, tiles & grout. Some of the important features of RED WOLF SEALER include:

- Penetrates into substrate surface
- Permanently bonds to the substrate with no peel or blister
- UV, alkali stable and durable formulation
- Reduces water penetration, efflorescence and water-borne staining
- Does not significantly change the surface appearance or vapour permeability
- Easy application and cost effective

As masonry materials vary significantly, a test MUST be carried out prior to application to confirm the suitability of this product for the intended purpose.

USE INSTRUCTIONS: Application

Please read this product information for the correct application and safe handling. Do not apply if rain or extreme weather conditions are expected. The surface to be treated should be dry, firm and free from grime, oil and any previous coatings/sealers. If necessary, the surface should be washed with a suitable detergent in water and allowed to dry. All cracks should be filled with appropriate grouting materials and allowed to cure before application. A test prior to application is strongly recommended to determine suitability for purpose, the number of coats required and the consumption rate.

RED WOLF SEALER can be applied using brush, roller or low-pressure sprayer; however, the product is preferably applied by saturation flooding using a low-pressure sprayer or airless spray equipment. For vertical surfaces, the product should be applied as a liquid thin film stream which runs down the surface approximately 30-40cm. A second application should follow immediately after the first coat has absorbed into the surface. This is termed a "wet-on-wet" application. The object is to saturate the surface to allow better penetration.

For horizontal surfaces, the product should be applied by flooding the surface for about 10 minutes to ensure penetration of the product into the surface. If the sealer is quickly absorbed by the substrate after the first application, a second coat should be applied immediately. Any remaining liquid on the surface which has not been absorbed after 10 minutes should be removed to avoid excessive accumulation of the sealer in surface areas which may cause an uneven or glazed finish.

The number of applications depends on the permeability of the substrate. Generally, for very dense surfaces, one application may be sufficient, but for permeable substrates two or more coats "wet-on-wet" may be required.

Do not splash or spray the product onto any area you do not wish to treat. If splashing occurs, the product should be removed with a cloth damped in a solvent such as mineral turpentine immediately.

Consumption rate

The consumption of RED WOLF SEALER varies significantly depending on the permeability of the substrate. It may be in the order of 4 - 15 m² per litre per coat or could be out of this range for very dense or permeable surfaces.

After application

The initial surface water repellency will develop after the surface is dry. Good water repellence will develop within 24 hours, while full curing may take up to 7 days. Avoid heavy traffic or any staining for at least 24 hours. Equipment should be washed in a solvent such as mineral turpentine immediately after use.

Pilot testing and quality control

Due to the variation of building materials, it is strongly recommended that a pilot test on a small area should be carried out prior to application to confirm the suitability of this product for the purpose.

TYPICAL DATA: Appearance: Colourless liquid with hydrocarbon solvent odour
Solids content: <50% by weight
Specific Gravity: 0.79g/ml at 20°C
pH value: Not allocated
Solubility in water: Insoluble in water
VOC content: >50%
Flash point: >61°C

IMPORTANT NOTE: RED WOLF SEALER penetrates into the capillaries and renders the surface water repellent while still leaving most of the capillaries open to allow water vapour to pass through. It significantly reduces water absorption by capillary action. It has a limited resistance to water penetration under prolonged contact or hydrostatic pressure. Therefore, in some cases where the substrate is very permeable or there is extreme wind driven rain, resistance to water penetration or water-borne staining may not be adequate.

HANDLING & STORAGE: RED WOLF SEALER is a hazardous and combustible material. **Refer to the Safety Datasheet for safe handling.** Follow good industrial hygiene procedures when using this product. Vapour inhalation and skin or eye contact should be avoided by wearing proper protection. Wear a suitable respirator if there is a risk of exposure to high vapour concentrations. Wash hands after handling. The product should be stored in closed containers in a cool dry place away from any fire or ignition sources. The product has a shelf life of 12 months in a sealed original container stored under 25°C.

Use under sufficient ventilation away from any fire or ignition sources!
Avoid ingestion or aspiration!
Keep out of reach of children!

PACKAGING: RED WOLF SEALER is available in 1, 5 and 20 litre plastic jerry cans and 200 litre metal drums.

Disclaimer:

The information given in this data sheet is based on many years of experience and is correct to the best of our knowledge. As the storage, handling and application of this material are beyond our control; we can only be responsible for the quality of our product at the time of dispatch. We reserve the right to alter certain product parameters within the spectrum of properties in order to keep abreast of technical advances. It is the responsibility of the end user to determine the suitability of this material for any particular application.