

## PRODUCT INFORMATION

### PROTECTASEAL P

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Manufacturer's Code: RPPSP

Updated: 09/05/2024

**Product Name:** PROTECTASEAL P

**Description:** PROTECTASEAL P is a premium-grade water-based oil and water repellent penetrating sealer that can be used as a stain-resistant penetrating sealer for treating masonry surfaces. This treatment maintains the surface appearance and vapor permeability of the substrate. The sealer offers outstanding resistance against various stains such as oil, food, wine, and tannin. PROTECTASEAL P is free from organic solvents, making it a good alternative to solvent-based stain-resistant sealers.

Some of the important features of this product include:

- Excellent resistance to oil and water-based stains
- Decreases water absorption and prevents algae/mould growth
- Effective on all masonry substrates, including natural stones
- Provides durable protection and resistance to wear
- Maintains surface appearance
- Environmentally friendly water-based technology with no VOC content

**Recommended Uses:** PROTECTASEAL P is ideal for sealing various masonry substrates, including natural stones, concrete masonry, bricks, tiles and grouts. As a water-based product, it may have limited penetration capabilities for dense substrates, making it best suited for treating permeable masonry substrates. However, PROTECTASEAL P can still offer reasonable water repellence and stain resistant treatment for dense substrates. For treating dense materials, Tech-Dry's solvent-based stain-resistant sealer may be a better alternative.

**Use Instructions:** Please read the product information before applying. Do not apply if extreme weather conditions are expected. Ensure that the surface to be treated is dry, firm, and free from grime, oil, and any previous coatings or sealers. Fill all cracks and allow them to cure before application.

It is important to stir or mix the product well before use!

**Application:** The sealer can be applied using a brush, roller, or foam applicator. The initial treated surface should have a mirror-like wet film appearance. Apply another coat immediately after the sealer is absorbed but surface is still wet. This is called wet-on-wet application, ensuring enough material is applied to achieve the best result. Any remaining sealer on the surface for more than 10 minutes should be removed to avoid excessive accumulation, which is hard to remove resulting in an uneven finish after curing if not absorbed by the surface.

The second coat can be applied after one hour or two, or when the surface is dry. However, the application rate will be lower compared to the first coat because a water repellent surface may be formed from the first application. Once again, it is important to wipe off any residues from the surface within 10 minutes to prevent the formation of sealer residues that are difficult to remove after curing.

Further applications may be necessary depending on the permeability of the substrate and oil and water repellent performance required. Two coats are generally sufficient; however, additional application may help achieve better result for very porous substrates.

**Consumption rate:** The usage of PROTECTASEAL P varies significantly depending on the porosity of the substrate. It may range from 2 to 20 m<sup>2</sup> per litre per coat, but could deviate significantly from this range.

**Curing:** The initial oil and water repellent effect may develop when the surface is drying. However, full curing will take 24 hours up to 7 days. Avoid heavy traffic for 24 hours. Wash the equipment with water after use.

<b>Typical Data:</b>	Appearance:	Yellowish hazy to clear liquid
	Specific Gravity:	approx. 1 g/ml at 20 °C
	pH value:	approx. 6-8
	Solubility in water:	soluble in water
	VOC content:	nil

**Important Note:** PROTECTASEAL P penetrates into the capillaries and renders the surface oil/water repellent while still allowing vapor to breathe through the open capillaries. However, prolonged contact of water or stains with the surface can still lead to absorption and staining due to the open capillaries. Therefore, it is strongly recommended to promptly remove stains from the contaminated surface to prevent possible staining. The sealer will not prevent surface wearing, but it will make maintenance and cleaning of the treated surface easier. General cleaning methods are suitable for removing stains, while harsh cleaning should be avoided.

**Handling & Storage:** PROTECTASEAL P is a water-based, non-hazardous product. However, as with any chemical products, it's important to follow good industrial hygiene procedures when using this product. Store the product in closed containers in a cool, dry place away from any sources of fire. It has a shelf life of 12 months when stored in a sealed container in a cool, dry place away from fire or ignition sources, at a temperature below 25°C. Ensure sufficient ventilation when using the product and keep it away from fire or ignition sources.

KEEP OUT OF REACH OF CHILDREN!

**Packaging:** PROTECTASEAL P is available in 5, 20, 200 & 1000 litre plastic 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 is 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.