

PRODUCT INFORMATION

PROTECTASEAL-ENHANCER S

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Manufacturer's Code: RPPSES

Updated: 05/06/2015

Product Name: PROTECTASEAL-ENHANCER S

Description: **PROTECTASEAL-ENHANCER S** is a solvent-based oil and water repellent (stain resistant) and colour enhancing sealer. This product is designed as a protective sealer to penetrate into the capillaries of the masonry surface and permanently bond within the substrate rendering the surface water and oil repellent (stain resistant). It will also enhance the colour of the masonry substrate. This sealer provides excellent stain resistance against an extensive range of surface contaminants such as oil, coffee, wine, tannin, grease, food and other food colour containing stains. This product does not form a film or coating on application, but penetrates into the substrate significantly darkening the surface with minimal change to the surface texture and vapour permeability.

Recommended Uses: **PROTECTASEAL-ENHANCER S** is suitable for treating all permeable masonry materials including natural stones, concrete blocks and pavers, driveways, clay bricks, tiles, and grouts and mortars. **PROTECTASEAL-ENHANCER S** can be applied to both porous and dense substrates. Some of the important features and key benefits include:

- Excellent resistance to oil & water-based stains
- Significant reduction in water absorption and algae/mould growth
- Penetrates and permanently bonds to the masonry substrate.
- Durable formulation ensuring significant surface protection and wear resistance.
- Darken surface with minimum change of surface texture and vapour permeability.
- Suitable for treating an extensive range of masonry substrates.

Test & Performance: Please refer to Tech-Dry Protectaseal S for the stain resistant performance.

Use Instructions: Please completely read and understand the product information sheet before application. Do not apply if extreme weather conditions are expected. Before application, the surface to be treated must be dry, firm and clean of any dirt, grime, oil and any previous coatings or sealers. Cracks should be filled and allowed to cure before application. Mix or shake the product well before use.

As most masonry substrates vary, a test MUST be conducted prior to application to determine and confirm product suitability for the particular purpose.

PROTECTASEAL-ENHANCER S is best applied using a low-pressure hand spray. This product can also be applied using a brush, a roller or similar. The initial treated surface should have a mirror-like wet film appearance. After the 1st coat has absorbed into the surface, the 2nd coat can then be applied while the surface is still wet. Any remaining sealer visible on the surface which has not absorbed after 10 minutes should be immediately removed. This is to avoid any excessive accumulation of the sealer which may form a film on the surface causing a sheen or uneven surface finish.

The consumption of **PROTECTASEAL-ENHANCER S** varies depending on the permeability of the substrate. This may be in the order of 2-20 m² per litre per coat or could be out of this range significantly.

Alternately, the number of applications depends on the permeability of the substrate. Two coats, wet-on-wet, are generally recommended. For very permeable substrates, more coats may be required. However, one or two light coats are sufficient for very dense substrates such as bluestone, granite or slate. Over application may cause film forming, sheen and surface unevenness. The best way to determine the consumption and number of coats is to perform a test in a small area before application.

For very dense, smooth, or polished substrates, it may be necessary to polish the surface after application with a light coloured dry cloth or polish pad to remove excessive sealer and reveal the original finish. This may be done after the surface is touch dry or within a couple of hours after application. Moistening the cloth with **PROTECTASEAL-ENHANCER S** may also help in the polishing process. Generally no dilution is recommended, however, for some dense surfaces, better results may be obtained by diluting the product at 1 part sealer with 1 part or less solvent such as mineral turps before applying **PROTECTASEAL-ENHANCER S**.

The initial oil and water repellent effect may develop after the surface is touch dry. Full curing may take up to 7 days or more. Avoid heavy traffic for a minimum 24 hours. All equipment can be washed in mineral turpentine or other organic solvents.

Typical Data:	Appearance:	colorless or pale yellowish liquid
	Specific Gravity:	approximately 0.83g/ml at 20 °C
	Solubility:	soluble in hydrocarbon solvents
	VOC content:	>50%
	Flash point:	26°C

Important Note: **PROTECTASEAL-ENHANCER S** penetrates into the masonry capillaries and renders the surface oil & water repellent without blocking the capillaries. This sealer is designed to protect the surface against instant staining. However, prolonged contact of contaminants on the treated surface can still penetrate and cause staining. Therefore, it is strongly recommended that any contaminants should be removed immediately to avoid any possible permanent staining. This sealer will not prevent surface etching or wearing. **PROTECTASEAL-ENHANCER S** will promote easy cleaning and overall maintenance of a treated surface. General cleaning with household detergent, water and gentle brushing is recommended. Avoid acid or alkaline cleaning materials and aggressive brushing.

Handling & Storage: **PROTECTASEAL-ENHANCER S** is a hazardous and flammable material. Refer to the product material safety data sheet for safe handling and storage. The product has a shelf life of 12 months in the sealed container under 25°C. It should be used as soon as possible after opening. This product should not be contaminated with any building materials or any form of moisture.

Stored in a cool dry place away from water, fire or ignition sources. Use with sufficient ventilation away from any fire or ignition sources.

KEEP OUT OF REACH OF CHILDREN!

Packaging: **PROTECTASEAL-ENHANCER S** is available in 1, 5, 20 and 200 litre metal drums. Other sized containers are available on request.

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.