

## PRODUCT INFORMATION

PROTECTASEAL 2306

Page 1 of 2

Manufacturer's Code: RPPS2306

Updated: 01/01/2008

Product Name: PROTECTASEAL 2306

**Description:** PROTECTASEAL 2306 is a stain-resistant sealer for masonry building materials. The product is designed to penetrate into the capillaries of masonry surfaces and render the substrate oil and water repellent. It provides good stain resistance against the majority of staining including oil, juice, coffee, and wine. The treatment will not significantly change the appearance of the masonry substrates and the vapour permeability. However, a slight darkening of the surface may occur for some substrates.

**Recommended Uses:** PROTECTASEAL 2306 is recommended as a stain-resistant sealer for **dense or smooth/polished masonry** such as polished porcelain, marble, granite and polished concrete. It provides good stain resistance to either oil-borne or water-borne stains.

It may be necessary to polish the treated surface to remove the extra material left on the surface after treatment. Refer to Use Instructions below for details. The treated surface can be re-treated with PROTECTASEAL 2306 if required. **As masonry materials vary significantly, a test MUST be carried out prior to application to find out the suitability of this product for the purpose.**

**Test & Performance** The stain resistance tests were conducted on polished porcelain and white marble using blue ink, motor oil and permanent marker pen. The stain resistant effect depends on many factors. The following figures in Table 1 provide a good indication of the stain resistant effect of the substrate treated with PROTECTASEAL 2306:

**Table 1. Stain resistance of Substrate Treated with PROTECTASEAL 2306**

	Polished porcelain	Polished white marble
<b>Diluted ink</b>	>50%	>80%
<b>Motor oil</b>	>90%	>90%
<b>Marker pen</b>	>70%	>90%

Tests were conducted by the following methods:

- (1) Diluted ink or motor oil was placed onto the surface and then wiped or washed off after 20 hours. The stain left on the surface was observed against the reference.
- (2) The surface was marked with a permanent marker pen and the mark was removed using ethanol after 20 hours. The stain left on the surface was observed against the reference.
- (3) It was found that the stain resistant effect was better if staining was removed from the treated surface earlier.

**Use Instructions:** Application

Please read the product Data Sheet and the Material Safety Data Sheet thoroughly for the correct application procedure 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. All cracks should be filled with proper grout materials and allowed to cure before application.

A test prior to application is strongly recommended to assess the suitability of the product to the purpose; to determine the number of coats required; and suitable consumption rate.

PROTECTASEAL 2306 is applied using a brush, roller or low pressure sprayer. For large areas, application should be carried out in sections. Let the sealer soak into the substrate and the excess sealer should be removed after 5-10 minutes. Please note: the remaining sealer must be removed from the surface to avoid any excessive accumulation of the sealer in areas which may cause an uneven finish. For smooth/polished surfaces, it may be necessary to polish the surface before the sealer dries to remove any sealer residue to reveal the original surface finish. This should be done usually 20 minutes after application.

The number of coats necessary depends on the permeability of the substrate. **If the material is quickly absorbed by the surface after the first application, a second coat should be applied immediately following the first coat.** Generally for dense surfaces, one coat may be enough but for very permeable materials, more coats are required. Allow the first coat to soak into the surface before the next coat.

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 mineral turpentine or xylene immediately.

#### Consumption rate

The consumption of PROTECTASEAL 2306 varies significantly depending on the permeability of the substrate. It may be in the order of 5-40 m<sup>2</sup> per litre per coat or could be out of this range significantly.

#### After application

The initial surface oil and water repellency will develop when the surface is dry. Full curing may take from 24 hours to 7 days. Avoid heavy traffic for at least 24 hours. For smooth/polished surfaces, the sealer residue may form a thin matt film. This film may take 24 hours to dry and this film must be removed by mechanical polishing with a dry cloth or pads to reveal the original substrate surface finish before film dries.

The equipment can be washed in mineral turpentine or xylene.

#### **Typical Data:**

Appearance:	Colourless mobile liquid with hydrocarbon solvent odour
Solids content:	<50% by weight
Specific Gravity:	0.872g/ml at 24 °C
pH value:	Not allocated
Solubility in water:	Insoluble in water
VOC content:	>50%
Flash point:	>7°C

#### **Important Note:**

PROTECTASEAL 2306 penetrates into the capillaries and renders the surface oil/water repellent while still leaving most of the capillaries open to allow water vapour to pass through. Therefore, prolonged contact of stains with the surface can still cause some staining due to the open capillaries. Therefore, it is strongly recommended that stains should be removed from the contaminated surface area as soon as possible to avoid possible permanent staining.

#### **Handling & Storage:**

PROTECTASEAL 2306 is a hazardous and flammable material. Refer to the material safety data sheet for safe handling. Vapour inhalation and skin or eye contact should be avoided by wearing proper protection. Wear an air-purifying 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 preferably under 25°C away from any fire and ignition sources.

**Use with sufficient ventilation away from any fire or ignition sources!**

**Keep out of reach of children!**

#### **Packaging:**

PROTECTASEAL 2306 is available in 5, 20 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 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.