

## PRODUCT DATA SHEET

# Parex Paraguard

### WATER & STAIN REPELLENT COATING

#### DESCRIPTION

PARAGUARD is a water based coating, which provides a weatherproof, lotus leaf effect, water resistant surface to a range of render, paving, masonry and timber substrates. PARAGUARD is safe to the environment and to those using it. The product may be applied by brush, lambswool roller or airless spray gun\* followed by lambswool roller to achieve a non-staining, clear, natural coating which is easily cleaned. Subject to the type of substrate applied to, the product offers resistance to the following; water, dirt, oil, grease, atmospheric pollutants and vehicle fumes.

PARAGUARD is pre-packaged and ready for on-site use. The product is non-sacrificial, so once cleaned, will not need to be re-coated. Aesthetically, the exterior remains cleaner as dirt merely runs off the surface whenever water hits the facade. PARAGUARD finish is specially formulated with exceptional hydrophobic properties. Buildings specified with PARAGUARD finish are cleaned time and time again with natural rain water. As water hits the surface, it simply beads off the exterior and takes any dirt, grime or soil in its path with it. The hydrophobic qualities also make the surface more resistant to mould, algae and mildew. Overall, buildings will remain cleaner and dryer.

#### PRODUCT INFORMATION

<b>Packaging</b>	5 litre container 25 litre container
<b>Shelf life</b>	12 months
<b>Storage conditions</b>	When kept unopened in dry conditions at a temperature between +5 °C and +25 °C. Storage at higher temperatures and high humidity may reduce shelf life.
<b>Water absorption</b>	Water Absorption – low - <math><0.1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0.5})</math>
<b>Permeability to water vapour</b>	PARAGUARD does not create a vapour barrier and allows the building to breathe and assists in keeping the substrate dry from rain and moisture. PARAGUARD allows moisture inside the building to escape into

#### USES

PARAGUARD is ideal for horizontal and vertical surfaces on new construction, retrofit and refinish projects, over Parex External Insulation Facades, render, masonry, timber or concrete substrates.

PARAGUARD is ideal for protecting facades or surfaces that are located near the coast, situated in highly exposed locations or where the wind driven index ratings are 'Severe' or 'Very Severe'.

#### FEATURES

- Protects facades with non-film forming coating.
- Does not alter surface appearance.
- Vapour permeable
- Excellent substrate penetration.
- Long lasting protection.
- Water-based with zero VOC's.
- Improved protection against mould and mildew.
- Can be used on damp substrates.
- UV and weather resistant.

the atmosphere in a controlled way.

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**Water-vapour transmission rate**

Water Vapour Diffusion – high - >150 g/(m<sup>2</sup>d)

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**Consumption**

This information is provided as guidance only, excludes wastage and will vary subject to the application and substrate. Due to surface density, some masonry and render substrates and other high absorption substrates may have higher consumption rates.

SUBSTRATE WATER REPELLENCY - Based upon a single coat application

- Sandstone: 5 m<sup>2</sup>/L
  - Brickwork: 5 m<sup>2</sup>/L
  - Concrete: 5 m<sup>2</sup>/L
  - Concrete blocks: 3 m<sup>2</sup>/L
  - Reconstructed Stone: 3 m<sup>2</sup>/L
  - Granite: 15 m<sup>2</sup>/L
  - Marble: 13 m<sup>2</sup>/L
  - Terrazzo: 8 m<sup>2</sup>/L
  - Engineering bricks: 8 m<sup>2</sup>/L
  - Polished concrete: 8 m<sup>2</sup>/L
  - Render: 5 m<sup>2</sup>/L
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**Curing time**

Typical curing times at +20 °C

Touch dry: 1-2 Hours (Depending on the substrate and temperature)

Surface dry: 6 Hours (Depending on the substrate and temperature)

Overcoat: Wet on wet (30 mins)

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## BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## IMPORTANT CONSIDERATIONS

- Wear suitable protective equipment e.g. gloves, eye and face protection etc.
- Shake well before use.
- Store product in frost-free conditions. If product is accidentally frozen, place at +20 °C and after several hours, shake well to ensure even distribution.
- If spraying always use appropriate protective eye-wear and face mask and if using internally always ventilate the room.
- Protect adjacent surfaces from splashes. Remove all splashes immediately with clean water.
- Consult the safety datasheet.

## ECOLOGY, HEALTH AND SAFETY

- PARAGUARD is a water based product.
- Wear suitable protective clothing, gloves and eye / face protection.
- Keep out of the reach of children.
- Read and follow the guidelines in the Health and Safety data sheet for this product.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

- All contact surfaces must be sound, clean and dry.
- Remove all loose material, paint, plaster and oily deposits.
- Subject to application, protect adjacent surfaces, plants, pathways, walls etc. from splashes. Remove

all splashes immediately with clean water.

- Apply at temperatures between +5 °C and +25 °C. Work in the shade and avoid applying to walls that have just received direct sunlight or are still warm as the PARAGUARD will dry too quickly before subsequent coats can be applied.

### MIXING

Product is ready to use. However, if the product is stored for a long period of time, it may need to be stirred or shaken.

### APPLICATION

#### Application for Water Repellency

Subject to substrate porosity, PARAGUARD is applied to the surface in two or more flood coats (the surface must become fully saturated with PARAGUARD), either by paint brush, lambswool roller or airless spray gun followed immediately by the use of a lambswool or paint brush, working the product well into the substrate, ensuring all areas are fully coated. Make sure that applications commence from the bottom of the work area and continue vertically up the substrate, brushing in any runs as you go with a suitable painter's brush. Ensure a single elevation is completed in a single application otherwise uneven coverage may occur. Subsequent coats must be applied before the previous coating has dried i.e. wet on wet within 30 minutes of the first application. If substrate starts to dry quickly then there isn't enough PARAGUARD present and more should be applied immediately. For surfaces that are located near the coast, situated in highly exposed locations or where the wind driven rain index ratings are 'Severe' or Very Severe', always apply a third flood coat. Avoid streaking of the products and ensure you take note of the recommended preparation and important considerations.

### **Application for Pavements and Walkways**

PARAGUARD is to be applied to the surface in 1 - 2 flood coats, depending on the porosity of the surface. Make sure that you work from one side to the other to ensure an even coverage is provided throughout. If the substrate starts to dry quickly then there isn't enough PARAGUARD present and more should be applied immediately.

## **LOCAL RESTRICTIONS**

Please note that as a result of specific local regulations the declared data for this product may vary from country to country. Please consult the local Product Data Sheet for the exact product data.

## **LEGAL NOTES**

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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#### **Product Data Sheet**

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