

# PRODUCT DATA SHEET

## Parex<sup>®</sup> PAREXAL

### WEATHERPROOF HYDRAULIC ONE COAT THROUGH COLOUR LIME RENDER

#### PRODUCT DESCRIPTION

A one coat application lightweight, weatherproof, hydraulic lime, through-coloured render.

#### USES

Designed for the protection and decoration to façades of old or new buildings. PAREXAL is also suitable for re-pointing bricks and facing stones, for use as a building mortar and as a weather-proofing masonry and finishing coat.

#### CHARACTERISTICS / ADVANTAGES

- Environmental benefit
- Hydrated lime-rich mortar

#### PRODUCT INFORMATION

<b>Packaging</b>	25 kg bags
<b>Shelf Life</b>	12 Months from date of manufacture
<b>Storage Conditions</b>	Storage conditions Dry frost free conditions.
<b>Appearance / Colour</b>	<p><b>COLOURS</b> Available in a range of 48 colours.</p> <p><b>FINISHES</b> Sponge/Float Smoothed<sup>(1)</sup>, Trowelled Smooth<sup>(1)</sup>, Fine Scraped, Spray Textured, Smooth Spray Textured.</p> <p>Associated decorative mineral coverings: CALIDECO*, CALCILANE BADI-GEON*, CALCILANE ENDUIT* can be applied to the finish. For additional information refer to the data sheet on Textured Mineral Finishes.</p> <p><sup>(1)</sup>The float/sponge/trowel smoothed finishes may vary in appearance, particularly due to different factors such as the line and level and condition of the substrate or the appearance of a slurry finish caused by over floating the surface. The latter may produce some micro cracking effect on the render surface which may affect the aesthetic appearance but does not affect its durability.</p> <p>* Refer to the specific product data sheets</p>

Maximum Grain Size	0-2.5mm
Compressive Strength	CS I
Capillary Absorption	W2
Reaction to Fire	A1

## APPLICATION INFORMATION

Mixing Ratio	5-5.8 L per 25 kg bag
Consumption	<p>COVERAGE</p> <p>These values are provided as guidance only and may vary subject to substrate conditions and thickness applied.</p> <ul style="list-style-type: none"> <li>▪ Float Smoothed 21 kg/m<sup>2</sup> 1.2 – 1.3 m<sup>2</sup> @ 15 mm/25 kg bag, 14 kg/m<sup>2</sup> 1.9 – 2.0 m<sup>2</sup> @ 10 mm/25 kg bag</li> <li>▪ Scraped 25 kg/m<sup>2</sup> 1.0 – 1.1 m<sup>2</sup> @ 15 mm/25 kg bag, 18 kg/m<sup>2</sup> 1.4 – 1.5 m<sup>2</sup> @ 10 mm/25 kg bag</li> </ul>

## VALUE BASE

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

## LIMITATIONS

- For professional use only.
- Dampen the substrate prior to application (except earth based substrates). Dampen the hardened render after application.
- Do not apply to a frozen substrate. Do not use in freezing conditions.
- Minimum application temperatures: +5 °C.
- Over 30 °C, special precautions must be taken.

## ECOLOGY, HEALTH AND SAFETY

Wear suitable protective clothing, gloves and eye / face protection. This product contains materials which may cause an allergic reaction, is irritating to eyes and harmful if swallowed. In case of contact, seek medical advice. Keep out of the reach of children. Read and follow the guidelines in the Health and Safety data sheet for this product.

## APPLICATION INSTRUCTIONS

### EQUIPMENT

#### EQUIPMENT REQUIRED

- Manual application: stainless steel trowel/float.
- Mechanical application

MANUAL APPLIC- ATION	SPRAY RENDER MACHINE	SPRAYING POT
Pump Pressure	6-8 bars	
Air flow		60 m <sup>3</sup> per hour minimum
Air pressure		4-6 bars

### SUBSTRATE PREPARATION

- Substrates must be clean, sound and dust-free.

- Treat capillary rise (for example with 232 PARINJECTION\*)
- Check soundness, remove all loose material e.g. paint, thick acrylic coatings, plaster.
- Rake out cracks by 1 to 3 cm. Replace failing materials.
- Spray with water (except earth—based substrates) the day before until saturated, but not so the wall is running with water. Repeat prior to application, ensuring that substrate is wet through.
- For specific preparations, consult Parex® Technical Advice Dept.

### SUBSTRATE QUALITY / PRE-TREATMENT

#### SUBSTRATES

Suitable for:

- Pisé, rammed earth, cob, witchet, clinker – (earth based construction).
- Old masonry constructed with weak mortar.
- Masonry with plaster or lime mortar pre-treated with GOBETIS SPECIAL A\*.
- Masonry coated with traditional mortar/render conforming to BS EN 459-1 or BS EN 13914-1.
- One-coat weather resistant mortar, including PAREX grey weather resistant base-coats, MONOGRIS E\*, or PARMUREX\*.
- PARLUMIERE STH\*, PARLUMIERE CLAIR\*.
- New masonry construction e.g. Concrete or air-crete blockwork.
- Traditional constructions bonded together using lime mortar.
- Dry-stacked inter-locking modular wall units e.g Durisol - (Consult manufacturer's datasheets).

\* Refer to the specific product data sheets

Unsuitable for:

- Pure hydrated lime or plaster coatings, paint, thick plastic coverings.
- Lightweight hydraulic coatings with lower mechanical strength than PAREXAL.
- Exposed vertical substrates with a backward incline above 10 °.

### APPLICATION

### SUITABLE FOR

- Machine or manual applications.

#### **For joints between bricks and facing masonry.**

- Refill joints in one layer of 10 to 30 mm, compacting with a trowel. Brush after drying

#### **Coating onto masonry — thickness 10 to 25 mm.**

- For machine applications, spray apply a level, compact single coat to the required thickness then finish as required. For hand applications apply in 2 compact layers, separated by a minimum 4 hour waiting time. The 1st layer is compacted with a notched ruler (Darby) 5 mm above the bare masonry. In order to ensure weatherproofing, the finished coating must be a minimum even thickness of 10 mm.

#### **Coating onto masonry - thickness up to 50 mm.**

- Apply in several compact layers to the desired thickness, separated by a minimum 4 hour waiting time, depending on weather conditions and the thickness. The 1st layer is compacted with a notched ruler 5 mm above the bare masonry. For coverings between 25 and 50 mm, attach a suitably approved galvanised (internally only) or stainless steel reinforcement mesh in the top 15 mm finish

#### **Coating on pisé, adobe, wicket, cob, clinker — thickness 10 to 25 mm maximum.**

- Apply 1 coat in 2 compact layers according to thickness and appearance of the finish, compacted onto a hardened and rough key coat made of either PAREXAL enhanced with FIXOPIERRE\*. Never dampen earth based substrates. Loose or mixed substrates should be strengthened with a flexible, large mesh reinforcement e.g. TV10 mesh.

#### **Coating on masonry covered with plaster or lime based mortars — thickness 10 to 25 mm.**

- Rake out joints to 40 to 50 mm. Clean the substrate then attach a large mesh grid of suitably approved galvanised (internally only) or stainless steel reinforcement. Lightly dampen and cover substrate, including into the joints, with GOBETIS SPECIAL A\*, sprayed in a thin, rough layer with no surplus. After 24 hours, apply a coat of PAREXAL in 1 or 2 successive layers. In order to ensure weatherproofing, the finished coating must be a minimum even thickness of 10 mm.

#### **Final coat — thickness 5 to 18 mm maximum.**

- Apply one compact coat in 1 or 2 layers (apply 2nd layer whilst 1st is still fresh), depending on finish required on to an existing hydraulic coating to weatherproof the masonry.

#### **One coat application**

- For one coat applications to new masonry, apply one compact layer to a minimum finished thickness of 15 mm

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

## 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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