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### PRODUCT FEATURES

- ▶ Substrate-friendly restoration render
- ▶ Low elasticity modulus
- ▶ High lime content
- ▶ Suitable for large thickness application: 10 mm to 5 cm

### WATER DOSAGE

- ▶ 6 to 7 litres per 30 kg bag

### MIXING TIME

- ▶ Cement mixer: 5 to 7 minutes
- ▶ Paddle mixer: 5 minutes

### CONSUMPTION

- ▶ 1.4 kg/m<sup>2</sup> per mm thickness minimum

### REFERENCE DOCUMENTS

- ▶ French patent no. 9604132
- ▶ «Excell Plus» Gold label
- ▶ DTA 7/16-1667
- ▶ QB certificate

# PAREXAL

### DESCRIPTION

- **PAREXAL** is a through-coloured restoration mortar equivalent to a traditional render with a 350 kg/m<sup>3</sup> lime content.
- A 10 mm coat of **PAREXAL** is sufficient to provide waterproof protection. **PAREXAL** is also suitable for masonry repairs and for re-pointing bricks and facing stones.
- **PAREXAL** optimizes bonding by moulding itself to the masonry elements that it covers.
- Product subject to specific usage instructions: DTA 7/16-1667.
- Suitable for wine-producing environments: «Excell Plus» gold label.

### SUITABLE FINISHES

- Floated
- Felt-floated
- Scraped
- Cut
- Rustic
- Brushed
- **PAREXAL** can be coloured on site by adding local sand<sup>(1)</sup>.

### USES

#### ■ PERMISSIBLE SUBSTRATES

- Old masonry, e.g. quarry stone, brick, natural stone (including soft stone assembled with weak mortar) compliant with DTU 26.1
- Earth-based constructions: e.g. pisé, adobe, rammed earth, cob, wicket, clinker
- Masonry with plaster or lime mortar pre-treated with **GOBETIS SPECIAL A**
- Masonry coated with traditional render/mortar compliant with DTU 26.1
- New masonry: concrete, concrete blocks, Rt3 and Rt2 bricks
- **PARINTER RENOVATION**
- Concrete

#### ■ NON-PERMISSIBLE SUBSTRATES

- Plaster/Gypsum based substrates
- Water-resistant substrates
- Pure hydrated lime coatings
- Paint and thick acrylic coatings
- Inclined or horizontal substrates
- Cellular concrete

### SPECIFICATIONS

#### ■ COMPOSITION

- **Binders:** natural hydraulic lime, hydrated lime, hydraulic binders (lime/binder ratio > 85% by volume)

- **Filler:** calcareous and siliceous sand
- **Particle size:** 0-2.5 mm
- **Light mineral additives**
- **Organic additives:** less than 0.3%
- **Mineral pigments**

### PERFORMANCE CHARACTERISTICS

- **Type:** OC2
- **Compressive strength:** CS I
- **Water absorption:** W2
- **Reaction to fire:** A1
- **Apparent density:** 1 400 kg/m<sup>3</sup>
- **Modulus of elasticity:** ≤ 2 700 MPa
- **Tensile strength (average at 28 days):** 1 MPa
- **Water retention:** 96%
- **High water vapour permeance:** above 0.8 g/m<sup>2</sup>.h.mm.Hg
- **Water vapour permeability\*:** μ 10 approx.
- **Sd value:** 0.10 m approx. (for 10 mm thickness)

### INSTRUCTIONS

**PAREXAL** must be used in compliance with D.T.A. 7/16-1667 and building regulations and Standards in force (e.g. for France, DTU 26.1).

#### ■ EQUIPMENT

##### Manual application

- Trowel / Float

##### Machine application

- **Spray render machine:**
  - Pump pressure: 6-8 bars (water)
  - Do not exceed the maximum filling volume
- **Cement mixer - Special spraying gun:**
  - Minimum air flow: 60 m<sup>3</sup>/h
  - Air pressure: 4 to 6 bars

#### ■ SUBSTRATE PREPARATION

##### Preparation of old substrates

- Check the surface and remove all loose and flaking parts.
- Rake out joints to a depth of 2-3 cm.
- Replace damaged elements.
- In the event of serious substrate irregularities, perform repairs with **PAREXAL** at least 7 days before applying as render.
- Depending on the nature and state of the masonry substrate, it may be necessary to use galvanized metal reinforcement mesh. This must always be the case for thicknesses above 30 mm.
- **Grey plastering:** apply a first coat to the bare stone. This coat may be covered as soon as it has dried out.

## PACKAGING

- ▶ 30 kg bag
- ▶ Pallet containing 40 bags (1 200 kg)

## STORAGE

- ▶ **12 months**  
from date of manufacture if stored in unopened original packing in dry conditions

## WARRANTY

- ▶ Manufacturer's liability

### Treatment of damp and saltpeter

- Remove all existing render and rake out joints to a depth of 3 cm approx.
- Apply a waterproofing base coat of **PARLUMIERE STH**.

### Treatment of cracks

- Use a slurry of **CHAUX DE PAVIERS OR CHAUX PATRIMOINE** enriched with **314 LANKOFLUID**.

### Treatment of wood within the substrate

- Cover with bituminous felt.
- Affix **ARMATURE TM20** reinforcement mesh over and 15 cm around the area using galvanized plasterboard nails.

### Treatment of metal elements

- Remove all traces of rust.
- Apply a coat of **760 LANKOPASSIV** rustproof primer.
- Affix **ARMATURE TM20** reinforcement mesh over and 15 cm around the area using galvanized plasterboard nails.

### Treatment of raw earth masonry (adobe) and raw earth concrete (e.g. pisé, witchet, cob, clinker)

- Do not wash or dampen earth-based substrates.
- Affix **ARMATURE TM20** reinforcement mesh using galvanized plasterboard nails.
- Apply a dash bond coat of **PAREXAL** made up by adding 0.5 l **FIXOPIERRE** to the mixing water per bag or a whitewash of **CHAUX DE PAVIERS** or **CHAUX PATRIMOINE**.
- Drying time: 12 hours minimum.
- The base coat can be applied once the slurry has dried. Apply a regular 8-12 mm coat, following the wall so as to prevent overload.

### On masonry coated with plaster-based mortar

- Brush over the surface and remove all dust.
- Fill joints and spray a thin, rough 4-5 mm layer of **GOBETIS SPECIAL A**. Leave to dry for 24-72 hours.
- Affix **ARMATURE TM20** reinforcement mesh over the surface using galvanized plasterboard nails. Once completed, the final render thickness must be at least 10 mm.
- Moistened the surface prior to application.

### On smooth concrete (new substrates)

- Please refer to document DTA 7/16-1667.

### On PARINTER RENOVATION (for rendered masonry or concrete covered with paint or thick paint coating)

- Please refer to document DTA 7/16-1667 and Technical Data Sheet.

### ■ PRODUCT PREPARATION

- **Water dosage:** 6 to 7 litres per 30 kg bag
- **Machine mixing time:** 5 min
- **Cement mixer mixing time:** 5 min-7 min
- **Consumption:** 1.4 kg/m<sup>2</sup> per mm thickness minimum

### ■ APPLICATION

#### Dressing and waterproofing masonry

- **PAREXAL** can be applied in one single ruler-compacted coat up to a maximum thickness of 2.5 cm.
- For thicknesses between 2.5 cm and 5 cm, affix **TM20** reinforcement mesh using galvanized plasterboard nails and then apply a 1<sup>st</sup> coat of **PAREXAL**. Leave to dry for 1 to 3 hours, depending on atmospheric conditions, before applying a 2<sup>nd</sup> coat.
- 4 hours after applying the final levelling coat, apply an additional coat of **PAREXAL** (5-10 mm) in order to obtain the desired decorative finish.

**TECHNICAL ASSISTANCE:** ParexGroup S.A. will, on request, provide information and assistance to companies in relation to the specific use of a product. Such assistance shall not be assimilated with structural design and conception, nor the compliance of substrates, nor as a control of usage rules in force.

#### TECHNICAL DATA SHEET ISSUED - September 2017

The information provided in this document results from our knowledge of the products and our experience. Prior to application, customers and users are requested to check that they are in possession of the latest version of this document. Please check for updates at [www.parexlanko.com](http://www.parexlanko.com)

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# PAREXLANKO

## PRECAUTIONS

- For professional use only.
- Keep the render damp for 1 to 3 days after application.
- Keep the façade protected throughout the work process.
- Do not apply to a frozen substrate or if there is a risk of frost.
- Minimum application temperature: + 5°C.
- Over + 30°C, special precautions must be taken.
- As with all façade mortars, **PAREXAL** is not intended for structural repairs. Any such needs must be dealt with in advance.
- This product must be used in accordance with building regulations in force (e.g. for France DTU 26.1 and D.T.A. 7/09-1435).
- Please refer to the Safety Data Sheet.