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### PRODUCT FEATURES

- ▶ The most resilient base coat: low elasticity modulus, high hydrated lime content
- ▶ Low consumption
- ▶ Reduced drying time
- ▶ Suitable for application on mudbrick

### WATER DOSAGE

- ▶ 5.5 to 6.7 litres per 30 kg bag

### MIXING TIME

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

### CONSUMPTION

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

### REFERENCE DOCUMENTS

- ▶ DTU 26.1
- ▶ Manufacturer's specifications for Gold «Excell Plus» label

# PARLUMIERE CLAIR



### DESCRIPTION

- **PARLUMIERE CLAIR** is equivalent to a traditional render with a 350 kg/m<sup>3</sup> lime content
- Highly resilient, **PARLUMIERE CLAIR** is compatible with substrates that are fragile and lacking in resistance.
- Reduced curing time: a 10 mm base coat can be covered after 3 days.
- **PARLUMIERE CLAIR** optimizes bonding by moulding itself to the masonry elements that it covers.
- Positively assessed at the LRMH (Historical Monuments Research Laboratory) for the Cercle des Partenaires du Patrimoine (heritage partners' trust).
- Suitable for wine-producing environments: «Excell Plus» Gold label.
- Natural white base coat.
- Can be coloured on site by adding local sand<sup>(1)</sup> or earth<sup>(2)</sup>.

### SUITABLE FINISH OPTIONS

- Lime-based finish coats:  
**PARLUMIERE MOYEN, PARLUMIERE FIN, PAREXAL.**
- Thin lime-based coatings:  
**CALCIDECO, CALCILISSE.**
- Limewash and silicate paint:  
**CALCILANE BADIGEON, SILICANE PEINTURE.**

### 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, witchet, 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 (Rt3, Rt2, Rt1) including concrete blocks, terracotta bricks and blocks, cellular concrete
- **PARINTER RENOVATION**

#### NON-PERMISSIBLE SUBSTRATES

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

### SPECIFICATIONS

#### COMPOSITION

- **Binder:** hydrated lime + hydraulic binder (lime/binder ratio > 69% by volume)
- **Filler:** calcareous and siliceous sand
- **Particle size:** 0-2.5 mm
- **Light mineral additives**
- **Organic additives:** less than 0.2%

### PERFORMANCE CHARACTERISTICS

- **Type:** GP
- **Compressive strength:** CS I
- **Water absorption:** W0
- **Reaction to fire:** A1
- **Apparent density:** 1.4
- **Modulus of elasticity:** ≤ 3 600 MPa
- **Tensile strength (average at 28 days):** 1 MPa
- **Low soluble salt content (sodium + potassium):** 0.10%
- **Adapted porosity:** > 35%
- **High water vapour permeance:** above 0.8g/m<sup>2</sup>.h.mm.Hg
- **Water vapour permeability\*:** μ 12 approx.
- **Sd value:** 0.12 m approx. (for 10 mm thickness)

These characteristics have been controlled at the LRMH (Historical Monuments Research Laboratory) for the Cercle des Partenaires du Patrimoine.

### INSTRUCTIONS

**PARLUMIERE CLAIR** must be used in compliance with the manufacturer's specifications 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

Please refer to the product specifications for full usage details.

##### Preparation for 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.

(1) by adding 3 litres of 2 to 5 mm rolled sand per bag during mixing.

(2) by adding a maximum of 300 g natural colouring (soil) or 150 g iron oxide per bag during mixing.

\* Coefficient of water vapour diffusion resistance.

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## 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

- In the event of serious substrate irregularities, perform repairs with **PARLUMIERE CLAIR** 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.

### 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 **PARLUMIERE CLAIR** made up by adding 0.5L **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.
- Moisten the surface prior to application.

### ■ PRODUCT PREPARATION

- **Water dosage:** 5.5 to 6.7 litres per 30 kg bag.
- **Machine mixing time:** 5 min
- **Cement mixer mixing time:** 5 min-7 min
- **Consumption:** 1.5 kg/m<sup>2</sup> per mm thickness minimum.

### ■ APPLICATION

#### By hand - 3 coats

##### 1- Dash bond coat

- Apply a 5-8 mm rough coat of **PARLUMIERE CLAIR** and leave to dry for 48 hours.

##### 2- Base coat

- Apply a 10-15 mm coat of **PARLUMIERE CLAIR** and leave to dry for at least 3 days.

##### 3- Top coat

- Apply a 5-7 mm coat of the chosen top coat product.

#### By machine - 2 coats

#### Grey plastering

- Dampen the substrate before applying each coat.

##### 1- Base coat

- Apply **PARLUMIERE CLAIR** in successive strokes up to a level, tight thickness of 10-15 mm. Leave to dry for at least 3 days.

##### 2- Top coat

- Apply a 5-12 mm coat of the chosen top coat product.

**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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**PARX**LANKO

## PRECAUTIONS

- For professional use only.
- Protect façades throughout the work.
- Do not apply to a frozen substrate. Do not use in freezing conditions.
- Temperature range for use: + 5°C to + 30°C.
- Over + 30°C, special precautions must be taken (protection, dampening...).
- As with all façade mortars, **PARLUMIERE CLAIR** is not intended for structural repairs. Any such needs must be dealt with in advance.
- Suitable Personal Protective Equipment must be worn (gloves, clothing, goggles).
- Please refer to the Safety Data Sheet.