

PARLUMIÈRE STH



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PRODUCT FEATURES

- ▶ Salt-resistant: sulphate, chloride, nitrate
- ▶ Facilitates rapid moisture evaporation
- ▶ Short lead time between coats
- ▶ Ideal for restoration work: low elasticity modulus
- ▶ Available in white or grey

WATER DOSAGE

- ▶ 5.4 to 6.25 litres per 25 kg bag

MIXING TIME

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

CONSUMPTION

- ▶ 1.3 kg/m² per mm thickness

REFERENCE DOCUMENTS

- ▶ German WTA Standard
- ▶ Gold "Excell Plus" label

DESCRIPTION

- Lightweight, water-repellent base coat resistant to sulphates, designed to stabilize masonry which has deteriorated due to salts, saltpetre or damp.
- **PARLUMIÈRE STH** has a high occluded air content. It facilitates rapid moisture evaporation while retaining salts without damaging the mortar and avoiding the appearance of efflorescence.
- **PARLUMIÈRE STH** is ideal for rehabilitating damaged masonry. When used in conjunction with **232 PARINJECTION**, **PARLUMIÈRE STH** will have a long-lasting curative action (treatment of rising damp).
- **PARLUMIÈRE STH** has been positively assessed by the LRMH (Historical Monuments Research Laboratory) within the framework of a European research programme at the Royal Salt Works of Dieuze.
- Suitable for wine-producing environments: «Excell Plus» gold label.
- Natural white or natural grey base coat.

USES

■ PERMISSIBLE SUBSTRATES

- Clinker
- Old masonry, e.g. quarry stone, brick, natural stone (including soft stone assembled with weak mortar) compliant with DTU 26.1
- Masonry coated with traditional render/mortar compliant with DTU 26.1

SUITABLE FINISH OPTIONS

- Lime-based finish coats: **PARLUMIÈRE MOYEN**, **PARLUMIÈRE FIN**, **PAREXAL**, **PARLUMIÈRE CLAIR**
- Thin lime-based coatings: **CALCIDECO**, **CALCILISSE**
- **PARLUMIÈRE STH** can be left bare, on condition that the surface is float-finished.

SPECIFICATIONS

■ COMPOSITION

- Binder: hydrated lime and specific binder resistant to salts (sulphates, chlorides, nitrates). Lime/binder ratio = 55% minimum by volume
- Particle size: 0-1.6 mm
- Light mineral additives
- Organic additives: less than 0.3%

PERFORMANCE CHARACTERISTICS

- The following characteristics have been controlled at the LRMH (Historical Monuments Research Laboratory) by the Cercle des Partenaires du Patrimoine.
- Class: R
- Modulus of elasticity: < 3 700 MPa
- Water absorption: > 0.3 kg/m²/24 hrs
- Compressive strength: CS II
- Tensile strength (average at 28 days): 1.5 MPa

	PARLUMIÈRE STH	WTA* Standard
Paste		
Occluded air	29.5%	>25%
Water retention	95%	>85%
Hardened product		
Density	1.2	<1.4
Compressive strength (MPa)	3.10	1.5-5
Rc / Rt	2.6	<3
Capillarity (g/dm ² min ^{1/2})	0.35	<0.65
Resistance to water vapour diffusion μ **	9	<12
Résistance to salts (days)	>28	>10

All of the above-mentioned values are average results of standardised laboratory procedures.
* WTA: German Standard for stabilising mortars.

** Coefficient of water vapour diffusion resistance.

PARLUMIÈRE STH

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PACKAGING

- ▶ 25 kg bag
- ▶ Pallet containing 48 bags (1 200 kg)

STORAGE

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

WARRANTY

- ▶ Manufacturer's liability

INSTRUCTIONS

PARLUMIÈRE STH must be used in compliance with the manufacturer's specifications and building regulations and Standards in force (e.g. for France, DTU 26.1).

■ SUBSTRATE PREPARATION

- Check the surface and remove all loose and flaking parts.
- Rake out joints to a depth of 2-3 cm.
- Replace damaged elements.
- Systematically clean and dry the substrate.
- Treat any rising damp with **232 PARINJECTION**.
- Masonry that is saturated with water must be dried out before being covered.
- Repairs with **PARLUMIÈRE STH** must be carried out a minimum of 7 days before rendering.
- 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.

Important note:

- **PARLUMIÈRE STH** will not eliminate rising damp but will slow down migration of salts to the surface.
- Durable protection against rising damp is only possible by prior treatment with **232 PARINJECTION**.
- Before covering, ensure that the wall is completely dry. Full drying may take from several weeks to several months. In all cases, sources of water intake at the foot of the wall must be thoroughly dealt with.

■ EQUIPMENT

Manual application

- Trowel/Rule/Float

Machine application

- **Spray render machine**
 - Pump pressure: 8-10 bars (water)
 - Do not exceed the maximum filling volume
- **Cement mixer - Special spraying gun**
 - Minimum air flow: 60 m³/h
 - Air pressure: 4 to 6 bars

■ PRODUCT PREPARATION

- **Water dosage:** 5.4 to 6.25 litres per 25 kg bag
- Machine mixing time: 5 min
- Cement mixer mixing time: 5 min-7 min
- Consumption: 1.3 kg/m² per mm thickness minimum

■ APPLICATION

- Mortar should be applied to both sides of the wall and at a minimum height of 1m above signs of damp.
- Apply the base coat to an even thickness of 20 mm.
- Smooth and compact with a notched rule. The surface should be left with a roughened surface if receiving a decorative covering or float-smoothed if left as a final finish.

■ FINISHING

- Drying time before covering **PARLUMIÈRE STH**: 7 days minimum.
- **PARLUMIÈRE FIN, PARLUMIÈRE MOYEN, PAREXAL**: can be applied as a decorative layer of 5 mm plus a textured finish for sprayed finishes or a layer of 7-8 mm before float-smoothing or after scraping.
- **CALCIDECO, CALCILISSE**: 5 mm covering thickness.
- Important note: decorative renders must stop a minimum of 20 cm above ground level.

TECHNICAL SUPPORT: 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.

0 826 08 68 78 0.15 € per call
+ standard connection charge

DOCUMENTATION TECHNIQUE - February 2020

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 parexlanko.com.

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PRECAUTIONS

- For professional use only.
- Protect fresh renders from running water, wind, sun, rain etc with a tarpaulin or draught stopper netting.
- Do not apply to a frozen substrate or if there is a risk of frost.
- Temperature range for use: + 5°C to + 30°C.
- Over + 30°C, special precautions must be taken (protection, dampening...).
- Suitable Personal Protective Equipment must be worn (gloves, clothing, goggles).
- Please refer to the Safety Data Sheet.