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Ref.	Description
R700	HIGH RESISTANCE NORMAL GREY RENDER C.
R710	HIGH RESISTANCE WATER-REPELLENT GREY RENDER C.
R700Z	SULPHUR RESISTANT HIGH RESISTANCE NORMAL GREY RENDER C.
R710Z	SULPHUR RESISTANT HIGH RESISTANCE WATER-REPELLENT GREY RENDER C.

## DESCRIPTION

- Dry mortar for Masonry based on cement (according to RC-16), hydrated lime (CL 90-S UNE-EN 459), washed lime sand of great purity and selected grain size, chemical additives and synthetic fibres, specific for mechanical application as rough cast.
- It has the compulsory **CE** marking, by virtue of that stated in Regulation (EU) 305/2011 on construction products and in accordance with standard EN 998-1:2010.



## FIELD OF APPLICATION

- Mortar specifically designed for rendering:
  - Walls formed by steel mesh modular panels with expanded polystyrene core.
  - In applications using a projection machine.
  - With multiple finishings: scraped, trowelled, plastered, etc.
  - In the same way, it may be applied on the rest of walls usually used in masonry.
  - **PREFASEC® HIGH RESISTANCE WATER-REPELLENT RENDER** is recommended for applications requiring low water absorption mortar.

## PROPERTIES

- High mechanical strength.
- Great plasticity.
- Excellent adherence.

- Direct application to the support.
- No bits hanging.
- No fissures.
- Sulphur resistant (option R700Z/R710Z).

## METHOD OF USE

### Support Preparation

- The support must be stable and resistant.
- Must be clean from dust, loose particles, plaster, paint remains, grease, etc.
- In the case of porous, very absorbent or dried up pieces or supports, these must be moistened previously, without soaking them, to enable the adherence and correct curing of the mortar.

### Product Kneading

- Adjust the projection machine system to dose the kneading water of the **PREFASEC® HIGH RESISTANCE RENDER** and achieve a homogeneous mass without lumps (approximately 25% of water).

### Product Application

- Apply with any machinery in existence in the market for this type of product, projecting the render in such a way it spreads in a compact and uniform manner, then smoothing the surface with a ruler.

## RECOMMENDATIONS AND PRECAUTIONS

- Do not apply on supports with surface water-repellents.
- Application temperature will be between 5 and 30°C.
- It is convenient to moisten the support at temperatures over 20°C.
- Avoid freezing, strong winds and exposing to intense sunlight application.
- Never apply on surfaces with extreme temperatures.
- Must be used mixed exclusively with water. Any other addition (aggregates, additives, etc.) may modify the behaviour and characteristics of the product.
- Follow the structural joints of the building.

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## CONSUMPTION

- The **PREFASEC® HIGH RESISTANCE RENDER** consumption will depend on the thickness applied. The approximate consumption for 1 cm thickness of between 18 and 20 kg/m<sup>2</sup>.

## SAFETY AND HYGIENE

- This product contains cement. Cement is an irritant to the eyes, respiratory paths and mucous membranes.
- The paste gives a high pH when mixing the product with water. Therefore, it may irritate the skin in the case of prolonged contact, causing lesions to the eyes in the case of projections.
- Avoid contact with the skin and mucous membranes.
- No smoking, eating or drinking in the premises where the product is used.
- Avoid dust dispersion.
- The appropriate individual protection equipment for each case will be used.
- Persons with sensitive skin backgrounds should not handle this product.
- For more information check the file Product Safety Data File.

## TECHNICAL CUSTOMER SERVICE

- It is recommended the appropriate product is used for each application in accordance with the Technical File.
- Please check with our Technical Customer Service in the case of any doubt regarding the selection, handling or application of the different products.
- Our Technical Department will deal with and study each case if it were necessary to use a specific product, according to the use, colour, specifications, etc., or for placing special pieces or formats.

## SUPPLY

- 25 kg paper sack with plastic film.
- Special pneumatic transport silos, refillable on site by means of tanker trucks.

- Gravity silos with mixer attached at the base, refillable on site by means of tanker trucks.

## STORAGE AND CONSERVATION

- The product maintains its characteristics in a dry place protected from freezing, humidity, direct sunlight, etc.:

- Sack: 12 months.
- Silo: 3 months



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## TECHNICAL CHARACTERISTICS



### BASIC CHARACTERISTICS – CE MARKING EN 998-1

Specification	Value	Test Method
Reaction to fire	Clase A1	Decisión 96/603/CE
Steam permeability	$\mu$ 15/35	UNE-EN 1745
Adhesion strength	$\geq 0.3$ N/mm <sup>2</sup> – FP: B	UNE-EN 1015-12
Water absorption	<b>NORMAL W0</b> $\leq 1.50$ kg/m <sup>2</sup> ·min <sup>0.5</sup>	<b>WATER-REPELLENT W2</b> $\leq 0.20$ kg/m <sup>2</sup> ·min <sup>0.5</sup>

### OTHER TECHNICAL DATA

Specification	Value	Test Method
Compression strength	$\geq 25$ N/mm <sup>2</sup>	UNE-EN 1015-11
Apparent dust density	$1.4 \pm 0.1$ g/cm <sup>3</sup>	NLT-157/94
Approximate water for kneading	25%	-
Application temperature	5°C – 30°C	-

#### NOTE:

*Dosage and application outside that described in this file will exclude our responsibility regarding the product and its application.*

*The results stated were obtained in tests performed under standard conditions and may vary in terms of on site installation conditions.*

*Please contact our Technical Department for more information.*

*All the product application indications are based on our current experience and knowledge, with the client being responsible for the final study for on site installation.*



Customer service: [morteros@morteros.masaveu.com](mailto:morteros@morteros.masaveu.com)

FÁBRICA ASTURIAS:  
Pol. Ind. Riaño I, C/ Chopera, 24  
33920 Langreo, Asturias. España.  
Tfno.: +34 985 678 068  
Fax: +34 985 678 039

FÁBRICA LEÓN:  
Ctra. León-La Bañeza, km 4,3  
24391 Vill. del Carnero, León. España  
Tfno.: +34 987 281 299  
Fax: +34 987 281 312

FÁBRICA PONTEVEDRA:  
Ctra. Porriño-Salceda, km 2  
36475 Porriño, Pontevedra. España.  
Tfno.: +34 986 338 443  
Fax: +34 986 337 967

FÁBRICA VALLADOLID:  
Ctra. Adanero-Gijón, km 195,5  
47610 Zaratán, Valladolid. España.  
Tfno.: +34 983 360 119  
Fax: +34 983 362 307

