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| Ref. | Description |
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| W403 | M7.5 NORMAL GREY LIGHT MORTAR |
| W413 | M7.5 WATER-REPELLENT GREY LIGHT MORTAR |

DESCRIPTION

- Dry mortar for Masonry based on cement (according to RC-08), hydrated lime (CL 90-S UNE-EN 459), washed lime sand of great purity and selected grain size, light aggregates and chemical additives.

- It has the compulsory **CE** marking, by virtue of that stated in Directive 89/106/CE on construction products and in accordance with standard UNE-EN 998-2.



FIELD OF APPLICATION

- LIGHT dry mortar particularly designed for applications requiring a low density in its hardened state and reduced thermal conductivity; for example, placement of thermo-clay type blocks, preparation of floorings and roofs over which a covering is to be later placed, etc.

- **PREFASEC® WATER-REPELLENT GREY LIGHT MORTAR** is recommended for applications requiring low water absorption mortar.

PROPERTIES

- Low density.
- Optimum thermal insulation.
- Great plasticity.
- Excellent adherence.
- Great workability.
- Excellent mechanical strength.
- Water repellency (in the case of water-repellent mortar): reduced water absorption as opposed to that of normal mortar (see technical characteristics).
- Can be supplied with special additives on demand: fibres, antifreeze, antibacterial, etc.

METHOD OF USE

Support Preparation

- Must be clean from dust, loose particles, plaster, paint remains, grease, etc.
- The support must be stable and resistant.
- 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.
- The nature and state of certain supports will require previously applying a bonding mortar: for example, polished concrete, ceramic, wood, etc.

Product Kneading

- Knead the **PREFASEC® LIGHT** with the necessary amount of water until achieving a homogeneous mass without lumps.
- Leave to settle for 5 minutes before applying.

Product Application

- Apply the product over the support, spreading and levelling it with the aid of a ruler.
- In the case of using it as masonry mortar, spread the product over the piece with the trowel as indicated by the light clay block manufacturer.

RECOMMENDATIONS AND PRECAUTIONS

- 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.

CONSUMPTION

- The consumption will depend on the thickness applied and on the shape and size of the piece placed.

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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 998-2

| Specification | Value | Test Method |
|--|---|--|
| Reaction to fire | Clase A1 | Decisión 96/603/CE |
| Chloride content | < 0.1 % | UNE-EN 1015-17 |
| Dry bulk density of hardened mortar | 1250 ± 50 kg/m ³ | UNE-EN 1015-10 |
| Steam permeability | μ 5/20 | UNE-EN 1745 (valor tabulado) |
| Thermal conductivity (λ _{10, dry}) | 0.39 W/m·K (P=50%) 0.44 W/m·K (P=90%) | UNE-EN 1745 (valor tabulado) |
| Initial shearing resistance | 0.15 N/mm ² | UNE-EN 998-2 (Anexo C) |
| Compression strength (N/mm ²) | M7.5 (≥ 7.5) | UNE-EN 1015-11 |
| Water absorption | NORMAL ≤ 1.50 kg/m ² ·min ^{0.5} | WATER-REPELLENT ≤ 0.20 kg/m ² ·min ^{0.5} |

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.



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