



TECHNICAL DATA SHEET

1.6 MAINTENANCE AND REPAIR

► Rhona C-810

Lime mortar fillers

2328 / Version 4 / 05-03-2025



DESCRIPTION

Improved lime mortar for plastering, filling, repairing and renovating both new and refurbished buildings, where large thicknesses and low shrinkage are required. Indicated for exterior use. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications.

PROPERTIES

- Bacteriostatic and fungistatic product
- Can be applied directly to enclosures
- Excellent workability, achieving large thicknesses with just one coat.
- Breathable product.

USES

RHONA C-810 offers excellent adhesion on brick supports, thermo-clay blocks, concrete, and traditional mortars and plastering.

TECHNICAL DATA

Appearance	White coloured powder.
Finish	Texturado
Mixed mortar density (Kg/L)	1.75
% Mixing water	28 - 32
pH	12.5 - 13.5
Shore Hardness	85
Useful life of mixture	2 - 2,5 h
Drying time (2 mm thickness and 20°C)	Concrete: 7 - 8 h Paint: 7 - 8 h
Resistance to compression (UNE -EN 13892-2:2003) N/mm2	CS III
Absorption of water by capillarity	W0
Determination of liquid water permeability (UNE-EN 1062-3:2008) Kg/m2h0.5	10
Thermal conductivity () (UNE-EN ISO 6946) W/mK	0.8
Adhesion to concrete substrate (MPa)	> 0.5
Fire Resistance classification (EN13501-1)	A1
Minimum thickness per layer	1,5 mm
Maximum thickness per layer	30 mm
Usage	1,5 kg/m2/mm thick depending on nature of surface
Cleaning of utensils and stains	With water before drying. If the product hardens, it can only be removed mechanically.

HOW TO APPLY

- The surface must be intact, clean, consistent and free from dust, grease, oil, micro-organisms and any other material that could affect the products correct adhesion to the surface.
- If there is any kind of anomaly on the surface, the relevant cleaning and repair processes must be carried out (dust removal, cleaning processes and masonry repairs) and any loose or falling parts removed in order to ensure the above-mentioned conditions.
- Protect the metal parts with an anticorrosive primer.



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POSSIBLE APPLICATION SYSTEMS

CAPPING NON-STRUCTURAL CAVITIES Open the dimensions of the crack 2-3 times to obtain a consistent surface. Fix the inside of the crack and once it is dry and consistent, fill it with RHONA C-810. **APPLICATION STEPS:** Mix RHONA C-810 manually or mechanically. Spread the product with a trowel leaving the necessary thickness. Level out the applied material to regularise and smooth out the surface. Once the hardening has begun, trowel the material using a wooden or plastic trowel.

It is recommended to coat the product with some type of paint that does not interfere with the breathability of the product.

PRIMERS:

- Rhona A-250: Primer coat for painting systems with finishing in aqueous products. Also used as a connecting bridge between supports that are difficult to anchor and mortars. Yield: 8-15 m²/l. Coats: 2

FINISH RHONA C-810:

- Yield: 1,5 kg/m²/mm
- Coats:

SAFETY

Consult the current safety data sheet for safe handling (Section 8.2). Unsuitable for children. Keep out of the reach of children. Do not place painted surfaces into the mouth.

REMOVAL

Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling, in line with the local and national legislation in force. Take the necessary measures to ensure waste is kept to an absolute minimum. Analyse all possible methods for reuse or recycling. Do not pour down drains or into the environment. Dispose of the product at an authorised waste disposal site or through an authorised waste management company. Waste must be handled, stored and disposed of pursuant to current local- national legislation.

STORAGE

See storage conditions indicated in section 7.2 of the current safety data sheet. Store the containers away from high temperatures, direct exposure to the sun and frost. Maximum recommended storage time: 12 months from manufacture in fully sealed original container, indoors and at temperatures between 5° and 35° C.

LEGAL TEXT NOTE

This information and, in particular, the recommendations regarding the application and final use of the product, are given in good faith, based on the current knowledge and experience of Isaval Paints of the products when they are properly stored, handled and applied, in normal situations, within its useful life, according to the recommendations of Pinturas Isaval. In practice, the possible differences in the materials, supports and actual conditions at the place of application are such that it cannot be inferred from the information in this document, no any other written recommendation, neither any advice offered, will insure the guarantee in terms of marketing or suitability for particular purposes, neither any obligation outside of any legal relationship that may exist. The user of the products must carry out the tests to verify their suitability according to the use they want to give. Pinturas Isaval reserves the right to change the specifications of its products. The property rights of third parties must be respected. All orders are accepted according to the terms of our current General Conditions of Sale and Supply. Users should know and use the latest and updated version of the local Product Data Sheets, a copy of which will be sent to whoever requests them, or can also be obtained on the page www.isaval.es. All data in this document are based on laboratory tests conducted at 20°C and 1 atm pressure. Measurements taken "on-site" may vary due to circumstances beyond our control, such as changes in environmental conditions of pressure and temperature.