



# TECHNICAL DATA SHEET

## 1.6 MAINTENANCE AND REPAIR



### ► Rhona MH-633

Flexible waterproofing filling mortar  
2333 / Version 4 / 14-02-2024



## DESCRIPTION

Flexible cementitious waterproofing mortar paint, white and/or grey, to be used for treating mineral supports against humidity and for the sealing, coating and protection of all supports exposed to deterioration caused by water and humidity in brick walls, buildings, basements, elevator shafts and buried foundations or for filling defects and thick holes found in these. Respond all the requirements established in the "GREEN BUILDING", offering the highest possible score for BREEAM and / or LEED certifications.

## PROPERTIES

- Product with micro-fibres.
- Can absorb small cracks
- Flexible product
- Easy to apply.
- Can be applied in a thick layer
- Protection and barrier against humidity.
- Waterproofing product.
- Permeable to water vapour.
- Resistant to chemical attacks caused by sulphates, salts, acid rain, chlorides and so on.
- Suitable for swimming pools.
- Suitable for later placing a ceramic coating.
- High flexibility, recommended in new construction pools or in areas with significant temperature changes, due to possible contraction-dilation movements.

## USES

Ideal product for use on cement surfaces, concrete, mortar, swimming pools, fibre cement, traditional paint and typical masonry surfaces that have a certain degree of absorption, with the exception of plaster and cast.

## TECHNICAL DATA

<b>Appearance</b>	White/grey powder
<b>Finish</b>	Textured
<b>Mixed mortar density (Kg/L)</b>	1.77
<b>% Mixing water</b>	27-32
<b>pH</b>	12.5 - 13.5
<b>Shore Hardness</b>	77
<b>Useful life of mixture</b>	4 - 5 h
<b>Drying at 20°C (hours)</b>	> 24
<b>Shock resistance (UNE-EN ISO 6272-1:2012)</b>	Class III
<b>Liquid water permeability (UNE-EN 1062-3:2008 ) (Kg/m<sup>2</sup>h0.5)</b>	W > 0.1
<b>Taber abrasion resistance</b>	Loss of weight < 3000 mg
<b>Determination of the penetration depth of water under direct and indirect pressure (UNE-EN 12390-8)</b>	Positive pressure: 31 mm (for 3 days at a pressure of 0.8 MPa) Negative pressure: > 18 hours (for 3 days at a pressure of 0.8 MPa)
<b>Determination of adhesion by direct traction, UNE-EN 1542:1999 (N/mm<sup>2</sup>)</b>	1.6
<b>Minimum thickness per layer</b>	1,5 mm
<b>Maximum thickness per layer</b>	20 mm (plaster) Unlimited (fill in)
<b>Usage</b>	1.5 – 1.8 kg/m <sup>2</sup> /mm thick.
<b>Cleaning of utensils and stains</b>	With water before drying. If the product hardens, it can only be removed mechanically.



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## 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.

## SURFACE PREPARATION

### UNPAINTED SURFACES:

#### Concrete:

- New concrete floors must have a minimum life of 21 days and at the same time be free of wax, grease, dust, cement, paint, grout, or any other material that may alter the adhesion of the product. The excess of grout must be eliminated by shot-blasting followed by the corresponding washing to remove the dust. Old concrete in which deep contamination is present must be treated by mechanical methods such as sand-blasting, bush-hammering or a wire brush to achieve an adequate clean surface. Cracks and holes are repaired with the recommended ISAVAL products for that purpose. Once the surface is clean, primer should be used. During the use of the primer, the formation of puddles should be avoided at all times. In the case of excessively porous substrates and/or in hot climates, the surface to be treated must be soaked with water before applying the primer.

## POSSIBLE APPLICATION SYSTEMS

**CAPPING NON-STRUCTURAL CAVITIES** Open the dimensions of the crack or cavity 2-3 times to obtain a consistent surface. Fix the inside of the defect and once dry and consistent, fill it with RHONA MH-622. **APPLICATION STEPS:** The smoothing process is carried out vertically from top to bottom whilst holding the joints in the opposite direction. Upon drying, the material is sanded and a second coating is then applied, this time from right to left whilst holding the joints from left to right. Once the second coating has dried, sand the surface and begin the painting process. In the case of large thicknesses, soaking an alkali resistant fibreglass mesh between layers to achieve mechanical reinforcement is recommended.

### PRIMERS:

- Rhona A-200: adhesive bond for new mortar on old. Yield: 0.1 - 0.2 kg/m<sup>2</sup>. Coats: 1

### FINISH RHONA MH-633:

- Yield: 1.5-1.8 kg/m<sup>2</sup>/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.

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### 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". Data on this Sheet are based on laboratory tests. The measures taken "on site" may vary due to circumstances beyond our control.