



# CALCEPURA

La tradizione della calce.

## MURATURA M5

NHL 3.5 natural hydraulic lime line

*CALCEPURA MURATURA M5 is a masonry mortar, classified M5, made with CALCEPURA LEGANTE, aggregates selected limestones with controlled grain size and specific additives that improve their workability.*

**COMPLIANT WITH UNI EN 998-2**

Thanks to the quality and value of CALCEPURA LEGANTE, the product is ideal for the construction of historic walls or in the green building sector. CALCEPURA MURATURA M5 has a high water vapor permeability and limited reactivity to the salts contained in the masonry, contributing to improved living comfort.

**ADVANTAGES:** Compatibility with formerly used materials.  
Absence of fungus and mold  
High permeability to water vapor

**WARNINGS:** Protect the product from rain, washout, frost, rapid drying or strong ventilation for at least 48 hours after installation.

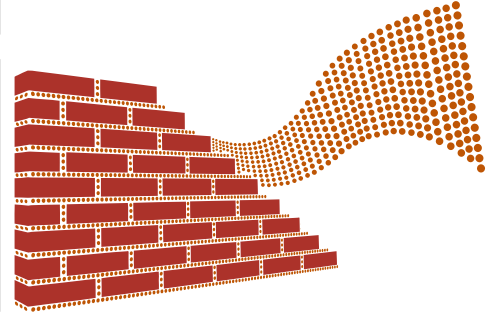
### TECHNICAL DATA

<i>Color</i>	light hazelnut
<i>Grain size</i>	< 1,4mm
<i>UNI EN 998-2 classification</i>	M5
<i>Powder density mass</i>	1400 kg/m <sup>3</sup>
<i>Hardened volumetric mass</i>	1800 kg/m <sup>3</sup>
<i>Dry volumetric mass</i>	1700 kg/m <sup>3</sup>
<i>Mixing water</i>	18%(±2
<i>Compressive strength at 28 days UNI EN 1015-11</i>	≥ 5,0N/mm <sup>2</sup>
<i>Flexural strength UNI EN 1015-11</i>	≥ 2,0N/mm <sup>2</sup>
<i>Application temperature</i>	+5°C a +35° C
<i>Application time</i>	approximately 40 minutes
<i>Reaction to fire</i>	EUROCLASSE A1
<i>Water absorption</i>	>0,4 kg/(m <sup>2</sup> .min <sup>0,5</sup> )
<i>Vapor permeability coefficient</i>	μ 15/35
<i>Thermal conductivity (v.t. P=50%)</i>	λ 0,67 W/mK
<i>standard class UNI EN 998/2</i>	M 5
<i>initial shear strength</i>	0,15N/mm <sup>2</sup>
<i>Packaging</i>	bag 25kg n. 64 bags pallet
<i>Storage</i>	Approximately 12 weeks, bound to intact storage of the packaging and storage in places not directly exposed to the weather.



**ESINCALCE srl**

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## SUBSTRATE PREPARATION

Substrates should be solid and free of: dust, grout, loose parts, oil stains, grease, paint, lime, plaster, rust, etc. Remove any crumbly and inconsistent parts of the masonry. Thoroughly wet the particularly absorbent bricks, stones or bricks.

## PRODUCT PREPARATION

A normal inclined-axis concrete mixer or planetary mixer or drill mixer can be used to prepare the mixes.

Moisten the concrete mixer internally, taking care not to leave any water deposited inside.

Add water in the appropriate amount to obtain a homogeneous mix, approximately 5.5/6.0 liters per bag. Leave the mix to rest for 5/6 minutes before applying.

### INSTALLATION

Use CALCEPURA MURATURA M5 as a normal masonry mortar, making sure to apply a thickness greater than 1 cm and less than 2.5 cm.

### PRACTICAL NOTES

Protect the product from rain, washout, frost, rapid drying or strong ventilation for at least 48 hours after application. Do not apply for thicknesses less than 1 cm and greater than 2.5 cm. Do not apply on plaster, scagliola, painted substrates, wooden, metal or plastic elements.

## SAFETY

The provisions of Articles 10 and 14 and Annex V of Directive 1999/45/EC apply to the preparation.

**Hazard symbol: Xi (irritant)**

**Risk phrases**

R 36 Irritating to eyes  
R 37 Irritating to respiratory tract  
R 41 Risk of serious damage to eyes  
R 43 May cause sensitization by skin contact

**Safety advice**

S2 Keep out of the reach of children  
S22 Do not breathe dust  
S24/25 Avoid contact with eyes and skin  
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice  
S36/37 Wear suitable protective clothing and gloves  
S46 If swallowed, seek medical advice immediately and show the contents and label

The data and information contained in this sheet are the result of the knowledge available at the date of publication. Esincalce srl assumes no responsibility for damage to persons or things that may arise from use of the product other than that for which it was intended. The sheet does not replace but integrates texts or standards that regulate the activity of use. The user has full responsibility for the precautions that are necessary for the use that will be made of the preparation. For anything not reported, please refer to the product safety sheet.