



**CALCEPURA**  
La tradizione della calce.

**MASONRY M10**

NHL 5.0 natural hydraulic lime line

CALCEPURA MURATURA M10 is a premixed mortar with guaranteed performance for internal and external use, for professional use, classified M10, made with CALCEPURA LEGANTE, selected limestone aggregates with controlled grain size and specific additives that improve workability and prevent shrinkage.

THE PRODUCT IS PREPARED WITH CERTIFIED NHL NATURAL HYDRAULIC LIME AND COMPLIANT WITH THE EN 459-1 STANDARD.

COMPLIANT WITH THE UNI EN 998-1 STANDARD.

#### CHARACTERISTICS

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 has a high permeability to water vapor and a limited reactivity to the salts contained in the walls, contributing to better living comfort.

#### ADVANTAGES

- Compatible with materials and techniques of ancient tradition
- Eliminates and prevents fungi and mold
- Highly permeable to water vapor

#### WARNINGS

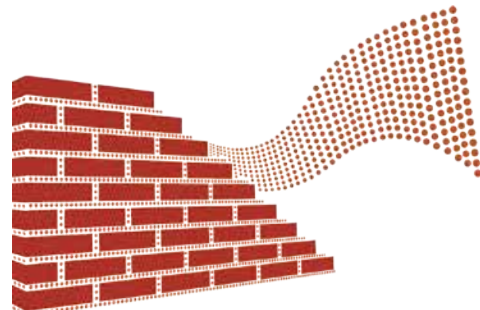
Protect the product from rain, washing away, frost, rapid drying or strong ventilation for at least 48 hours after application. Wait at least 72 hours after smoothing the plaster before applying the smoothing compound (FINE MORTAR or PRE-PACKAGED MORTAR).

#### TECHNICAL DATA

UNI-EN 998/2 class	M10
Color	hazelnut
Granulometry	< 3 mm
Powder density	1700 kg/m <sup>3</sup>
Dough volumetric mass	1950 kg/m <sup>3</sup>
Hardened volumetric mass	1800 kg/m <sup>3</sup>
Compressive strength at 28 days (UNI EN 1015-11)	> 10 N/mm <sup>2</sup>
Flexural strength (UNI EN 1015-11)	≥ 5N/mm <sup>2</sup>
Reaction to fire	EUROCLASS A1
Thermal conductivity (vt P=50%)	λ 0.83 W/mK
Initial shear strength	0.15 N/mm <sup>2</sup>
Vapor permeability coefficient	μ 15/35
Conservation	In the original packaging and protected from atmospheric agents, the product retains its original characteristics for approximately 12 weeks.

#### INSTALLATION FEATURES

Mixing water	17% (±1)
Application temperature	+ 5°C ÷ +35°C
Pot life / application time	about 40 min at a temperature of 20°/25°C
Pot life of the dough	about 1 hour at a temperature of 20°/25°C
Water absorption	< 0.4 kg/(m <sup>2</sup> .min0.5)
Mixing times laboratory tests (UNI EN 1015-2:2007 * 2)	45 Seconds Speed 1 Including water insertion
Supply	25 kg bag / 64 bags per pallet



## PREPARATION OF SUPPORTS

The substrates must be solid and free from dust, grout laitance, loose parts, oil stains, grease, paint, lime, plaster or rust. Remove any loose or inconsistent parts from the masonry. Thoroughly wet any particularly absorbent bricks, stones or tiles.

## PRODUCT PREPARATION

Moisten the inside of the mixer, taking care not to leave any water deposits on the bottom. Mix with a common inclined-axis mixer or planetary mixer/drill mixer/plasterer. Gradually add the indicated dose of clean water (4.5/5 l per bag) until the mixture is obtained. Leave the mixture to rest for 5/6 minutes before laying.

### PRACTICAL NOTES

Protect the product from rain, washing away, frost, rapid drying or strong ventilation for at least 48 hours after application. Do not apply on gypsum, scagliola, painted surfaces, wooden, metal or plastic elements.

Wait at least 72 hours after plastering before applying the skim coat (FINE MORTAR or PRE-PACKAGED MORTAR).

## INSTALLATION

Use CALCEPURA MURATURA M10 like a normal masonry mortar, taking care to apply a layer thicker than 1 cm and less than 2.5 cm.

## SAFETY

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 safety sheet of the product online [esincalce.com](http://esincalce.com) or by writing to [info@esincalce.com](mailto:info@esincalce.com)