

# Murocol H

Coloured bricklaying adhesive mortar - M 15 according to EN 998-2



## Field of Application

Murocol H is used as an adhesive mortar for all types of facing bricks and stones with a thin joint (3 to 6 mm) for new constructions as for renovation, outside and inside.

Murocol H is intended for:

- normal absorbent bricks and masonry units (initial water absorption rate class IW3: 1.5 to 4 kg/(m<sup>2</sup>.min)),
- high absorbent bricks and masonry units (initial water absorption rate class IW4: > 4 kg/(m<sup>2</sup>.min)).

This recommendation is only indicative. In case of doubt, further tests may be necessary.

Contact Cantillana to select the most suitable mortar.

## Composition

Murocol H is a homogeneous mixture composed of calibrated sand, binding agents and additives enhancing its characteristics.

- Binding agents: white Portland cement CEM I 52,5 R SR 5 (PM ES / HSR), sulfate resistant, according to EN 197-1.
- Granulates: sieved and recomposed sand 0/2 mm according to EN 13139.
- Additives: specific additives to enhance the mortar's workability, water retention and adhesion.

## Colours

Murocol H is available in 28 standard colors.

Other colors are available on request.

The shade of the joint after drying may vary slightly depending on:

- the amount of mixing water,
- applying conditions,
- atmospheric conditions during application and drying,
- the bricks used and their initial water absorption rate (class IW).

We recommend to carry out a trial application before ordering.

## Characteristics

Murocol H is a dry, ready-to-use mortar for facing bricks (ordinary bricks, concrete stones) with a joint of 3 to 6 mm (type T according to EN 998-2). Murocol is available in 3 types, according to the porosity of the bricks: Murocol N for very low absorbent bricks, Murocol S for low absorbent bricks and H for normal and high absorbent bricks.

## Preparation substrate

The bricks and masonry units must be dust-free.

When laying the bricks, they must not be saturated with water.

Bricks and masonry units that are too dry must be pre-moistened.

When applying the adhesive mortar, the ambient temperature must not be below +5 °C and not exceed +30 °C.

Never work on a frozen or thawing substrate or in the event of risk of frost within 24 hours.

## Preparation mixture

Mix Murocol H with clear water (approx. 3.9 L of water per bag of 25 kg). The mortar must be mixed mechanically (minimum of 3 minutes at 500 t/min.). The mortar must be homogeneous, smooth and free of lumps. Once the adhesive mortar has started to set, do not remix it and do not add water.

The fresh mortar can be applied for a period of 4 hours.

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## Application

The adhesive mortar can be applied manually or mechanically.

Murocol H is preferably applied with a suitable mortar bag or pump/gun.

The adhesive on the vertical joints must be applied prior to laying the bricks in the horizontal mortar bed.

Once the mortar has been applied, the bricks must be placed within 15 minutes.

The rapid stiffening of the adhesive allows for an extended height of the brickwork.

## Post-Treatment

Finished work must be protected against cold, heavy rain, wind and temperature above +30 °C.

## Consumption

± 15 kg/m<sup>2</sup> for brick module 65 with a 3 mm joint.

Yield:

± 675 L of mix mortar per ton of dry mortar.

## Technical data

Compressive strength class	M 15
Compression strength at 28 days accord. to EN 1015-11	> 15.0 N/mm <sup>2</sup>
Flexural strength at 28 days accord. to EN 1015-11	≥ 4 N/mm <sup>2</sup>
Adhesion at 28 days	> 0.4 N/mm <sup>2</sup>
Grain size	0/2 mm
Water requirement accord. to EN 1015-3	15 à 16,5 % (depending on the color)
Spread accord. to EN 1015-3	200 ± 10 mm
Open time	approx. 15 min.
Air content accord. EN 1015-7	± 22%
Flow rate / performance	± 675 L/ton
Density at 28 days	± 1725 kg/m <sup>3</sup>
Duration of application	± 4 hours
Reaction to fire / class	A1

## Packaging

Murocol H is packed in hybride bags of 25 kg and stacked on euro pallets (1200 kg per pallet) with a protective cover.

Shelf life in original, undamaged, closed packaging, stored in a dry place away from moisture, is 12 months.

## Remarks

The work must be performed in accordance with the rules of good practice and meet the WTCB regulations.

The technical specifications given are determined by tests carried out in accordance with the applicable standards and storage conditions.

## Classification

Murocol H is a high-performance colored adhesive mortar with compressive strength class M 15 according to EN 998-2.

CE certificate: 0965-CPR-MM 505.

## Security impacts

For more information and other tips for the safe handling, storage and disposal of chemicals, see the most recent safety data sheet. It contains information on physical, ecological, toxicological and other safety.