

# WEBER ML 5 COLOURED MASONRY MORTAR



- Coloured masonry mortars are also available upon request as frost mortar and compact mortar (workability in harsher conditions) and product with higher impermeability.
- Compressive strength class M5
- Meets the requirements of SFS-EN 1996-1 (Eurocode 6)
- Certified EPD environmental product description
- The product is listed in the portal for building products that can be used in Nordic Swan Ecolabelled buildings.

## ABOUT THIS PRODUCT

Coloured masonry mortars for clay bricks and calcium silicate masonry units, when the joint's color is to be equivalent to the one of the masonry unit.

## AREA OF USE

Masonry of clay and calcium silicate masonry units in facades and partition walls. Masonry in the cold attic space and the masonry of the so-called cold flue section in the upper part of the chimney. Masonry of a separate shell of the fireplace. Masonry mortar can also be used for pointing brick structures when the depth of the mortar joint is at least 30 mm and the water absorption of the masonry unit is sufficient. In this case, the work instructions for the pointing mortar product data sheet apply.

## MIXING

Mix a bag (25 kg) of dry mortar with the amount of clean water specified below. Warm (max. +60 ° C) water is used in cold conditions. The temperature of the prepared mortar should be +5 ... + 40 ° C. The mortar is mixed in a concrete mixer, horizontal pan-mixer or using a mortar station with a screw mixer and an automated water me-

## PRODUCT SPECIFICATION

Pot life (Operating time)	2-3 hours after adding water
Binder	Fast setting Portland cement or white cement
Aggregate	Natural sand or white aggregate 0-4 mm
Additive	Additives to improve weather resistance and workability as well as inorganic color pigments
Adhesion strength	Nominal shear resistance $f_{\text{tdo}} \geq 0.16 \text{ N/mm}^2$ (SFS-EN 998-2, 5.4.2 a)
Compressive strength	Compressive strength class M 5
Reaction to fire (for exposure situations)	A1
Durability (freeze-thaw)	Freeze-thaw resistance: Approved according to SFS 7001 Annex 4
Water vapour permeability	$\mu 15/35$
Water absorption	0.2 kg/(m <sup>2</sup> · min <sup>0.5</sup> )
Thermal conductivity	0.77 W/mK (P=50%) (SFS-EN 1745)
Density of dry hardened mortar 28 days	approx. 1800 kg/m <sup>3</sup> (SFS-EN 1015-10)
Color	White Lumi, White Jeres 140, White Nattas 150, Light Rautus 151, Light Maares 153, Light Menes 157, Grey Olos 141, Grey Kielas 142, Grey Mutus 152, Grey Pudas 155, Grey Viipus 156, Blue-grey Hirvas 190, Yellow Kilpis 154, Red Ounas 144, Red Pallas 159, Brown Ropis 149, Brown Mainas 185, Black Suomus 160
Storage conditions	Shelf life approx. 12 months from date of manufacture (unopened packaging, dry space)
Package	1000 kg large sack. Shades 140, 141, 149, 150, 152 and 159 also available in a 25 kg sack.
Certifications	CE, M1, EPD, FI, Key Flag Symbol

ter on site. The mixing time is 6-8 min in a concrete mixer and 4-5 min in a horizontal pan-mixer. The mixed mortar must be used within 2-3 hours of adding water.

## Water requirement:

- 144 Ounas, 149 Ropis, 152 Mutus, 155 Pudas, 159 Pallas, 160 Suomus: 3.0-3.2 l/25 kg.
- 141 Olos, 142 Kielas, 151 Rautus, 153 Maares, 154 Kilpis, 156 Viipus, 157 Menes, 185 Mainas: 3.0-3.4 l/25 kg.
- Lumi, 140 Jeres, 150 Nattas, 190 Hirvas: 3.1-3.5 l/25 kg.

## WORK INSTRUCTIONS

Masonry work is carried out in accordance with SFS-EN 1996-1 guidelines and the general quality requirements for construction work RunkoRYL 2010 and SisäRYL 2013. The untreated structures will be pointed in connection with the masonry work, unless otherwise specified in the plans. The masonry work is done in a full joint and the joint surfaces are shaped with a joint scraper or similar tool, usually a few minutes after the masonry work is done. The time of joint sealing is affected by the

temperature of the air, mortar and bricks as well as the water absorption rate of the brick. When grouting light mortars, a plastic or wooden jointing tool must be used, as metallic joint scraper can stain the mortar. Clean tools with water immediately after use.

Winter conditions:

The winter masonry of the bricks is covered in the Masonry Structures section of the Weber Guide. Masonry units must not be wet, icy or snowy. The mortar must be free of pieces of ice and frozen constituents.

Colour recommendations:

A harmonious end result is created when a masonry mortar close to the colour of the brick is used for masonry. Brick manufacturers have their own recommendations for brick/mortar combinations.

PLEASE OBSERVE

When weather conditions change, it should be noted that the type of masonry mortar should not be changed in

the middle of the wall, as there may be slight differences in shade between, for example, frost and conventional masonry mortar. Also there may be otherwise batch-specific shade differences in the masonry mortar.

DISCLAIMER

As there are different conditions at every opportunity, Weber can not be held responsible for anything other than the information provided under the heading "Product Specification". Examples of information and circumstances, which are outside Saint-Gobain (whether specifically stated or not) include storage, construction, processing, interoperability with other products, workmanship and local conditions.