

WEBER ML 5 MASONRY MORTAR M100/600



- Good workability
- Compressive strength class M5
- Meets the requirements of SFS-EN 1996-1 (Eurocode 6)
- Certified EPD environmental product description
- The product is a declared item in the Supply Chain Declaration Portal (SCDP) for New Buildings generation 4.

ABOUT THIS PRODUCT

Masonry mortar for masonry of clay bricks.

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.

TO KNOW BEFORE APPLYING

Grey masonry mortars may have small batch-specific shade differences.

MIXING

One bag (25 kg) of dry mortar is mixed with 3.0-3.5 litres of clean water. 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

PRODUCT SPECIFICATION

Material consumption	Dry mortar consumption with a 15 mm joint thickness (kg/brick). Calcium silicate masonry units: • NKH 270x130x75: 1.4 kg/brick • MKH85 285x85x85: 1.0 kg/brick • KH 270x198x75: 1.8 kg/brick Clay bricks: • NRT 270x130x75: 1.7 kg/brick • MRT85 285x85x85: 1.2 kg/brick • MRT60 285x85x60: 1.1 kg/brick • PRT 257x123x57: 1.3 kg/brick • PT 257x123x57: 1.2 kg/brick • RT 285x135x85: 1.9 kg/brick The consumption figures include an estimated 15% mortar loss. The values are indicative. The exact consumption depends on the thickness of the joint, and in masonry with perforated bricks, also on the flexibility of the mortar.
Recommended water content	3.0-3.5 l/25 kg (=0.12-0.14 l/kg)
Pot life (Operating time)	3 hours after adding water
Binder	Recycled cement that reduces the carbon footprint
Aggregate	Natural sand 0-4 mm
Additive	Additives to improve weather resistance and workability
Adhesion strength	Nominal shear resistance $f_{v,0} \geq 0.16 \text{ N/mm}^2$ (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	μ 15/35
Water absorption	0.2 kg/(m ² · min ^{0.5})
Thermal conductivity	0.77 W/mK (P=50%) (SFS-EN 1745)
Density of dry hardened mortar 28 days	approx. 1800 kg/m ³ (SFS-EN 1015-10)
Color	Grey
Storage conditions	Shelf life approx. 12 months from date of manufacture (unopened packaging, dry space)
Package	25 kg paper sack. 500 or 1000 kg large sack. Bulk in a silo.
GTIN-codes	6415990420167 (25 kg) 6415990420143 (500 kg) 6415990420150 (1000 kg) 6415990420129 (Bulk)
Certifications	CE, M1, EPD, FI, Key Flag Symbol

a screw mixer and an automated water meter 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 3 hours of adding water.

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. More detailed instructions on masonry work and winter masonry of bricks is covered in the Masonry Structures

section of the Weber Guide. Masonry units (blocks and bricks) must not be wet, icy or snowy. The mortar must be free of pieces of ice and frozen constituents.

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.