

WEBER OL 15 THIN LAYER MASONRY MORTAR



- Improved workability, can also be applied with a watering can
- Low mortar consumption
- Compressive strength class M15
- 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

Light-coloured dry mortar for thin-joint masonry.

AREA OF USE

Thin-joint masonry mortar for calcium silicate masonry units, Leca® Easyflex partition blocks and aerated masonry units with a joint thickness of approx. 2 mm.

MIXING

One bag (25 kg) of dry mortar is mixed in 5.0-6.0 litres of clean water. The water temperature is selected according to the conditions so that the temperature of the ready mortar is at least +10 °C and in cold conditions (below +5 °C) +10 ... +40 °C. The pre-mix is mixed with water with a whisk attached to the drill until the product is even. The mortar is left to stand for about 10 minutes, after which it is mixed lightly again. The mixed mortar must be used within 3 hours of the addition of water.

WORK INSTRUCTIONS

The temperature of the mortar must be at least +5 °C during mason work. In cool conditions (+5 ... 0 °C) use warm water and warm masonry units (mortar tempe-

PRODUCT SPECIFICATION

Material consumption	OL 15 Thin layer mortar (kg/block). Kahi masonry units • Partition wall tongue-and-groove 300: 0.10 / 0.15 ¹⁾ • Partition wall tongue-and-groove end block 235, conduit, H=98, beam: 0.10 • Frame tongue-and-groove, end block, beam, conduit, H=98, Solid frame tongue-and-groove: 0.20 • Half a frame tongue-and-groove: 0.10 • Bevelled block, Bevelled end block: 0.23 • Bevelled half block: 0.12 • Bevelled brick: 0.20 • Bevelled half brick: 0.10 • Decibel tongue-and-groove: 0.25 • Decibel tongue-and-groove L=148: 0.13 • Facade 85: 0.10 / 0.15 ¹⁾ • Facade 130: 0.20 ¹⁾ Reinforced. Values are indicative. The exact consumption depends on the thickness of the joint.
Recommended water content	approx. 5.0-6.0 l/25 kg (=0.20-0.24 l/kg). Water temperature maximum +60 °C.
Pot life (Operating time)	3 hours after adding water
Binder	White cement
Aggregate	Natural sand and limestone, maximum grain size 1 mm
Additive	Additives that improve weather resistance, workability and adhesion
Adhesion strength	Nominal shear resistance $f_{vdo} \geq 0.31 \text{ N/mm}^2$ (SFS-EN 998-2, 5.4.2 a)
Compressive strength	Compressive strength class M 15
Flexural strength 28 days	$f_{xk1} > 0.20 \text{ N/mm}^2$ and $f_{xk2} > 0.13 \text{ N/mm}^2$ (SFS 7001)
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	0.1 kg/(m ² · min ^{0.5})
Thermal conductivity	0.62 W/mK (P=50%) (SFS-EN 1745)
Density of dry hardened mortar 28 days	approx. 1600 kg/m ³ (SFS-EN 1015-10)
Color	Light
Storage conditions	Shelf life approx. 12 months from date of manufacture (unopened packaging, dry space)
Package	25 kg paper sack
GTIN-codes	6415910021313 (25 kg)
Certifications	CE, M1, EPD, FI, Key Flag Symbol

perature +10 ... +30 °C) or weber OL 15 P Frost thin layer mortar. In cold conditions, down to -10 °C, weber OL 15 P Frost thin layer mortar is used. For more information on thin-joint masonry in winter conditions, see the Masonry Structures section of the Weber Guide.

The horizontal joint of the first block layer is usually laid with masonry mortar weber ML 5, ML 10 or ML Leca® in order to get the first layer to the right height and completely levelled. It is allowed to dry before the work

continues as a thin-joint masonry. If necessary, masonry is started or finished with appropriately sized masonry units, to adapt the height measurement to the room height. The wall is placed in the correct position and straightened in the normal way with the help of mason's twine, masonry string and a spirit level.

Thin-joint masonry is performed by overlapping bricks or blocks and using a joint thickness of about 2 mm. The mortar is applied with a mortar sled or mortar trowel developed for this purpose. The mortar can also be applied with a watering can. It is not necessary to use mortar in the vertical grooves of the masonry unit. However, mortar is to be used in the vertical joint of cut masonry units. The straightness of the wall is monitored with a string line and a spirit level. Possible line errors are carefully corrected by tapping with a rubber mallet or a mortar joint. Tools should be cleaned with water immediately

after use. In addition, more detailed work instructions for Kahi frame, Kahi Facade or Leca® EasyLex partition block systems must be observed during installation work.

COATING

Levelling work is carried out with Weber finishing plaster after the joints of the thin layer mortar have hardened.

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.