

Z 01

Cement masonry mortar



Extra-durable cement masonry mortar. M10 class. Designed for brick and building block walls.

Properties:

- high compressive strength ≥ 10 MPa
- resistant to weather conditions
- good workability
- high adhesion to the substrate
- easy to apply
- plastic
- frost-proof and waterproof
- granulation: 0-1,2 mm

Designed use:

- for indoor and outdoor use
- for the construction of load-bearing walls and partition walls with conventional thick joints
- for the construction of walls using brick, concrete blocks, lime-sand blocks and ceramic building blocks
- for the construction of natural stone walls
- for the construction of foundation walls and basement walls
- for filling voids and grooves after installation work
- for manual plastering
- for the creation of facets (rounding) in the joint zone between the footing and the foundation wall

Quality and reliability:

- binder in accordance with **EN 197**
- contains modifying additives
- subject to permanent quality assurance in accordance with **ISO 9001**
- chromium VI content reduced to <2 ppm.

Preparation of materials:

Brick, concrete blocks and building blocks should be clean, dry and frost-free. Bricks and blocks that are absorbent should be moistened before bricklaying, especially in summer. It is advisable to build load-bearing walls of one storey using elements of the same variety, with the same strength class and using the same mortar.

Application:

The contents of the 25 kg package should be thoroughly mixed with approx. 3.1 litres of clean, cool water. Mix the mortar with a slow speed mixer or in a concrete mixer. The mortar should be used within 1-2 hours, depending on conditions. Protect the fresh mortar from adverse weather conditions. Work should be performed at an air and substrate temperature ranging from +5°C to +30°C. Masonry should be carried out in accordance with the rules of the trade. Follow the recommendations of the brick and building block manufacturer.

Consumption:

Masonry:

- brick wall, 12 cm thick, approx. 40 kg/m²
- brick wall, 25 cm thick, approx. 90 kg/m²
- concrete block wall 38 x 24 x 12 cm, 24 cm thick, approx. 43 kg/m²
- 59 x 24 x 24 cm cellular concrete block wall, 24 cm thick, approx. 24 kg/m²

Note: Mortar consumption depends on the thickness of the joints

Plastering:

- approx. 16 kg/m²/10 mm thick plaster

Filling grooves after installation work:

- approx. 1.6 kg/dm³ space to be filled

Application temperature:

Air and substrate temperature during application ranging from + 5°C to +30°C.

If work is carried out at temperatures below +5°C, "anti-frost" agents can be added to the mortar.

Use admixtures that do not impair the workability of the mortar, reduce the setting time, and lower the freezing point of water. Before using such a product, it is important to consult the admixture manufacturer's guidelines provided on the technical data sheet or on the



internet website, and strictly adhere to the indications, and the amount to be added. The manufacturer of the mortar is not responsible for the quality of the admixtures used and their effects. The use of an "anti-frost" admixture does not exempt the contractor from protecting the masonry element from the effects of adverse weather conditions.

Tool cleaning:

Water and a hard brush. When the mortar has set, it should be cleaned mechanically.

Storage:

Store in a dry place on wood pallets. Storage time: 12 months from the date of production provided on the packaging.

Packaging:

25 kg bag.

Safety:

The product contains cement that can cause allergy. After exposure to water or moist the product becomes alkaline. Therefore, it is necessary to protect the eyes and skin. Rinse thoroughly the skin surface exposed to mortar. If mortar comes into contact with the eyes, it is necessary to rinse the affected eye with plenty of water and seek medical advice immediately.

Note:

The presented technical information has been obtained by extensive tests and many years of practical experience. However, it cannot be applied to all particular applications. Therefore, we strongly recommend that you perform application tests on your own. We reserve the right to introduce technical recommendation changes as part of product development.

Specifications:

mortar group:	M10 acc. to EN 998-2, GP CS IV acc. to EN 998-1
compressive strength:	$\geq 10 \text{ N/mm}^2$
granulation:	0-1,2 mm
processing temperature:	+5°C to +30°C
processing time:	approx. 1-2 hours
water consumption:	approx. 3.1 l per 25 kg
use as a masonry mortar:	approx. 90 kg/m ² , brick masonry thickness 25 cm
use as a plastering mortar:	approx. 16 kg/m ² /10 mm plaster thickness
storage:	indoors, in a dry place, 12 months from the date of production
packaging:	25 kg

Specifications apply to the temperature of 20°C and the relative humidity of 65%.

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Once this technical manual is published, any previous manuals expire.

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