LM 5/36

Thermal insulating masonry mortar λ 0,27 W/(mK)

Design lightweight mortar for masonry for use in outdoor building parts, with structural requirements in the masonry of walls, pillars and partitions, according to ČSN EN 998-2:2016 ed.3, designation G, class M 5.

SPECIFICATIONS

Grain:	0 – 4 mm
Thermal conductivity:	≤ 0,27 W/(mK)
Mixing water:	approx 10 l/25 kg
Workability:	approx 2 hours
Volumetric weight of dry mixture:	cca 1,0 kg/dm^3
Compressive strength after 28 days:	≥ 5,0 N/mm²
Processing temperature:	+5°C do +30°C
Color:	grey

PROPERTIES

For interior and exterior walls.
For manual processing.
Thermally insulating.
High yield.
For masonry of all types of masonry elements (mainly heat-insulating ones), except gypsum-based elements.
For laying load-bearing masonry.
Hydraulically hardening.

INGREDIENTS

The dry mortar mixture is composed of inorganic binders, lightweight filler and aggregates with a grain size of 0-4 mm.

BACKGROUND

The substrate must be clean, without dust. In the case of highly absorbent masonry elements and in warm weather, it is necessary to properly moisten the masonry elements in order to prevent rapid suction of mixing water.

PROCESSING

The contents of the package (25 kg) are mixed thoroughly in a clean container with approx. 10 l of mixing water so that the mixture is perfectly mixed. Water according to ČSN EN 1008 is used to mix the mixture. The addition of additives and fillers to the finished mixture is not permitted. It can also be mixed in a regular mixer, a continuous mixer or an electric mixer. For classic masonry of all types of masonry (except gypsum-based elements) with a requirement for compressive strength up to 5.0 N/mm². For manual processing only. Masonry structures must be protected from adverse climatic conditions, especially from rapid drying, high or low temperatures, rain, wind, frost and direct sunlight.

CONSUMPTION

One 25 kg bag produces approx. 30 liters of fresh mortar after mixing with mixing water. From 1 ton approx. 1200 l of fresh mortar. For 1 m3 of masonry made of P + D poroblocks, 72-95 l of fresh mortar is consumed, which represents 60-80 kg of dry mixture.

STORAGE AND PACKAGING

In the dry, accordingly. Shelf life 12 months from the production date indicated on the product packaging. It is supplied in paper bags of 25 kg.

HEALTH PROTECTION – FIRST AID

The mortar mix contains cement. It reacts alkaline with moisture. Avoid contact with skin and eyes. It presents a risk of irritation in contact with the skin. Do not inhale the dust. Use appropriate personal protective equipment. Do not eat, drink or smoke while working. Wash your hands with soap and water after work. Treat the skin with a regenerating cream. If spilled, remove contaminated clothing and wash skin thoroughly with soap and water. Seek medical attention in all cases of health damage, eye contact and ingestion.
Keep out of reach of children.

NOTE

The given information results from experience gained through tests and practical use of the given product. The technical data are given under the specified conditions (temperature 20°C, relative humidity 60%), their deviation on the construction site must be taken into account due to the influence of properties and time data. Recommendations and specifications do not include all possible variants, situations and conditions that may arise at the place of use of the material. Therefore, in the event of significant deviations, we recommend that these be taken into account when processing the material, and before applying the material, you should conduct your own test, or request our technical consulting assistance. The technical sheet does not contain general rules or provisions of applicable directives and standards. The manufacturer of the product is obliged to comply with these and related regulations. The manufacturer reserves the right to make changes resulting from further technical development of the product and technologies. The stated procedures and solutions do not absolve the developer of the material from the responsibility for verifying the appropriateness of using this material in a given way in specific local conditions. With the issuance of a new technical sheet, previous editions of technical sheets become invalid.

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