

MURMØRTEL KL. B M 100/510

Mortar suitable for indoor and outdoor masonry work



WHERE TO USE

Murmørtel Kl. B M 100/510 is used for pointing, rendering, and laying bricks, lightweight blocks, concrete blocks, etc.

TECHNICAL CHARACTERISTICS

Murmørtel Kl. B M 100/510 is a powdered masonry mortar based on cement, filler and aggregate. The mortar should only be mixed with water and is suitable for both for indoor and outdoor use.

INSTRUCTIONS FOR USE

Preparing the substrate

Substrates must be clean, free dust, grease, oil, and loose particles. Absorbent substrates should be pre-wetted before the application starts. Free water on the surface must not occur.

Mixing the product

Make sure to use the recommended amount of water (3.0 - 4.0 litres per 25 kg bag), pour this into a bucket, add the mortar and mix for 5 minutes to a homogenous mix. Let the mix rest for 5 minutes before a second stirring. Remember that excessive amounts of water may result in more shrinkage and a weaker result. The surface temperature should be at least +5°C. Mixed product that has started to harden should not be mixed with additional water.

Application

Apply the product with suitable masonry tool, e.g. a trowel. For brickwork a mortar bed is placed before the brick or block are positioned and slightly pressed into place before excess mortar is removed. Rendered areas can be prepared with a floating board or other masonry tools for actual surface structure. Thicknesses over 15 mm must be applied in several layers.

PROTECTION

In general, it is not recommended to apply the mortar in areas exposed to direct sunlight or in windy weather. In such cases, as well as during periods of the year characterized by high temperatures, it is advisable to take care of the curing conditions for the mortar by sprinkle over the surfaces the first days after application to avoid rapid

drying. Newly applied product must also be protected from frost until sufficient strength in the mortar has been achieved.

CLEANING

Tools can be cleaned with water when the mortar is fresh. Cured material can be removed mechanically.

CONSUMPTION

25 kg powder gives 12 - 13 liters of the mix.

PACKAGING

Murmørtel Kl. B M 100/510 is available in 25 kg paper bag.

STORAGE

Stored in a dry place the shelf life is 12 months in unopened packaging.

SAFETY INSTRUCTIONS FOR PREPARATION AND INSTALLATION

Instructions for the safe use of our products can be found on the latest version of the SDS available from our website www.mapei.no

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTIFICATION

Type of mortar (NS EN 998-2):	GP – General Purpose mortar for internal/external render
Appearance:	powder
Colour:	grey
Maximum aggregate size:	2.5 mm
Dry solids content:	100 %
Chloride ions content – minimum requirements ≤ 0.1 % - according to EN 1015-17:	0.06 %

PRODUCT APPLICATION DATA (at +20°C - 50 % RH)

Colour of mixture:	grey
Mixing ratio:	100 parts of Murmørtel Kl. B M 100/510 with 15 parts water
Consistency of mixture:	thixotropic
Density of mix:	1600 kg/m ³
pH of mix:	>12
Application temperature range:	from +5°C to +35°C
Pot life of mix:	approx. 2 hours

FINAL PERFORMANCE (15 % blending water)

Performace characteristics	Test method	Declared classes	Product performance
Compressive strength:	EN 1015-11	M5 (after 28 days)	> 5 N/mm ² (after 28 days)
Flexural strength:	EN 1015-11	none	> 2.5 N/mm ² (after 28 days)
Initial shear strength:	EN 998-2	value declared by manufacturer	> 0.15 N/mm ² (B)
Water absorption:	EN 1015-18	none	0.01 kg/m ² min ^{0.5}
Water vapour permeability:	EN 1745	value declared by manufacturer	μ5/20 (tab. value)
Thermal conductivity:	EN 1745	value declared by manufacturer	0.45 W/mK (tab. value)
Reaction to fire:	Euroclass	value declared by manufacturer	A1

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above - information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application: for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application: in every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the technical data sheet, available from our web site www.mapei.no

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in effect at the time of the MAPEI produc installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.no

ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.

Mapei AS

Vallsetvegen 6, 2120 Sagstua, Norge



+47 62 97 20 00



www.mapei.no



post@mapei.no

10001-8-2018-gbxno

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution.

