



TECHNICAL SHEET

SANDENIT MN1900 CEMENT MORTAR FOR EXTERNAL AND INTERNAL PLASTERING OF WALLS

PURPOSE: SANDENIT MN 1900 is dry and ready cement-lime mortar used for machine and manual plastering of internal and external walls. It can be used on walls made out of concrete, bricks, aerated concrete blocks and natural stone.

CONTENT: cement, limestone filler 0.9mm, additives

DESCRIPTION: grey powder

CONSUMPTION: 14 kg/m²

PREPARATION: When used on plastering machine, water quantity is regulated on machine directly in order to get a plaster of good consistency and adhesion. If used manually, add approximately 1 l of water on 3,5 kg of plaster.

WORKING

TEMPERATURE: From +10 °C do +25 °C – and it refers to the air and surface temperature

SURFACE

PREPARATION: Before applying mortar clean the surface from impurities and dust, remove oil residues. Absorbing surfaces prepare with base cement mortar. Polished and low absorbing surfaces treat with primer. For surfaces made out of bricks, where joints are deep, fill them before.

APPLICATION: Apply mortar manually or with machine and flatten it immediately with

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alluminium H lath. When the mortar is partially dry, remove excess material and “open” mortar with scraper or T lath. After opening, wet the raw surface and parget it to achieve final look. Minimal thickness of mortar layer is 1cm. When thickness is bigger than 2 cm is needed apply mortar in 2 layer in intervals, but before the first layer is dry. Protect mortar from rapid drying. After the mortar is dry (minimum 10 days for every cm of thickness), continue with further treating.

EXPIRY DATE: 6 months in original packaging in dry and ventilated room.

PACKAGING: Bag 30 kg

TECHNICAL CHARACTERISTICS:

1.	The components ratio A:B:H ₂ O	1 : / : 0.26
2.	Consistence of fresh mortar (by flow table) mm	198
3.	Consistence of fresh mortar (by plunger penetration) mm	42
4.	Bulk density of fresh mortar kg/m ³	1520
5.	Bulk density of hardened mortar kg/ m ³	1590
6.	Air content of fresh mortar %	20
7.	Water retention capability %	98
8.	Workable life and correction time of fresh mortar min	180
9.	Soundness mm	Sound
10.	Flexural and compressive strenght of hardened mortar Mpa Flexural <ul style="list-style-type: none"> • 7 days • 28 days Compressive <ul style="list-style-type: none"> • 7 days • 28 days 	0.2 0.9 0.4 1.5
11.	Adhesive strenght of hardened mortar on substrates after 14 days Mpa a) concrete b) brick c) autoclaved aerated concrete	0.23“A“ 0.30“B“ 0.30“B“
12.	Adhesive strenght of hardened mortar on substrates after 28days Mpa a) Dry process	0.28“A“
13.	Water absorption coefficient due to capillary action of	1.786

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	hardened mortar , kg/(m ² min ^{0.5})	
14.	Water vapour permeability coefficient μ	5.77
15.	Shrinkage mm/m ²	0.386

STORAGE: In dry room on wooden pallet.

TRANSPORT: SANDENIT MN9100 during transport should be protected from rain and wetting.

FINAL WORKS: Internal and external paints semi-dispersions or full dispersions, fine plasters and decorative plasters.

Kasem company ltd. performs regular testing of all products in certified laboratories. Instructions are product of our knowledge and practical experiences, and they are recommendation for all users if they want to achieve best results in work. If weather conditions are different from those recommended, our instructions should be used as guidelines without applying guarantees. Kasem company ltd will not take responsibility for wrong usage of product, wrong choice of product and for poorly managed works. It is supposed that user of our products is educated in building techniques and in usage of different products.

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