

MKS-510

MACHINE PLASTER



DESCRIPTION

- Cement based, hand or machine-mixable, general purpose coarse plaster mortar for interior and exterior use.

QUALITY CERTIFICATES

- In accordance with EN 998-1 standard.



TECHNICAL DATA

APPEARANCE	Grey
APPLICATION TEMPERATURE	(+5°C) - (+30°C)
TEMPERATURE RESISTANCE	(-30°C) - (+60°C)
APPLICATION THICKNESS	10-50 mm
TIME REQUIRED IN-BETWEEN LAYERS	24 hours
DRY BULK DENSITY	1300±150 kg/m ³
COMPRESSIVE STRENGTH	CS IV; ≥ 6,0 N/mm ²
FLEXURAL STRENGTH	≥0,4 N/mm ² FP(A)
CAPILLARY WATER ABSORPTION	W0
WATER VAPOUR PERMEABILITY COEFFICIENT	≤20 μ
AVERAGE THERMAL CONDUCTIVITY	(λ10, dry) ≤0,61 W/m.K (Table value; P= 50%)
FIRE REPOSE CLASS	A1

• These values are obtained under laboratory conditions (23±2°C temperature, 50% relative humidity) and may differ due to worksite conditions.

• MYFIX Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti. is not responsible for the application errors that may arise if the application conditions and precautions outlined above are not followed for the purpose of the product.

INTENDED USES

- All interior and exterior facades,
- Applied on surfaces such as aerated concrete, exposed concrete, brick, pumice walls, briquette walls and ceiling.

PROPERTIES

- Application thickness is 10-50 mm.
- The maximum thickness of the application is 25 mm.
- Wait at least 24 hours before applying between each layers.

SURFACE TREATMENT

- The surface must be clean and dry.
- Particles hampering adhesion like dirt, oil and paint must be removed from the surface.
- Cracks on surface must be repaired with TH-500 Repair mortar at least 24 hours prior to application.
- The surface must be moistened before the application.

APPLICATION

- 40 kg MKS-510 Machine plaster is mixed with 7.0-7,5 litre water by using a plaster machine or mixer until a homogenous mixture is obtained.
- Prepared mortar is sprayed in machine applications and in mix with mixer, it is applied by trowel.
- Apply the mortar evenly to the entire surface.
- After application, the surface is smoothed by gauging to ensure smoothness.
- When the surface is hardened, it is polished and the surface is finished with a damp sponge.
- The surface should be watered at regular intervals for 7 days after application.
- The maximum plaster application thickness is 25 mm in one layer. In order to make the application thickness more than 25 mm, the second layer should be applied after at least 24 hours.
- Total plaster thickness should not exceed 50 mm.
- In order to avoid superficial cracking on the second layer, **MYTHERM Reinforcement fibreglass mesh** must be used in the joint and moving surfaces.
- LTX Latex additive can be used to increase the workability and water impermeability of MKS-510 Machine plaster.
- In order to prevent rapid water absorbency and increase adherence on absorbent surfaces such as exposed concrete, **BB-12 Exposed concrete primer** should be used.

PACKAGING

- 40 kg Kraft paper bag (Pallet 40 bags, 1600 kg)

SHELF LIFE

- Shelf life of an unopened package stored in a dry, cool place is 12 months from the date of manufacture.

WARNING and RECOMMENDATIONS

- It is recommended to prepare as much as you can consume and to use the prepared mortar within 3 hours at the latest.
- Do not leave the plaster application as a last coat. Exterior cladding must be done.
- Plaster should not be applied on absorbent surfaces such as exposed concrete without the use of primer.
- Not suitable for use on gypsum surfaces.
- It should not be applied on surfaces that thermal insulation boards such as XPS EPS, on old painted surfaces, are and may be exposed to bituminous and permanent moisture.
- Do not apply directly on surfaces such as metal or wood.
- No additives should be added which are not given in the application instructions.
- Pre-application plaster should be applied on satin and glossy plasters, concrete and ceilings.
- Do not breathe the powder or contact with skin or eyes as it is cement-based.
- After application, hands and applications tools should be thoroughly washed with water.
- During application, surface must be protected from wind and direct sunlight.
- The indicated consumption amount is general information and may differ due to application conditions and surface features.

COMPLEMENTARY PRODUCTS

- LTX Latex
- BB-12 Exposed concrete primer
- MYTHERM Reinforcement fibreglass mesh
- TH-500 Repair mortar

CONSUMPTION

- 15 kg/m² (For 1 cm applicaiton)

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