

MKS-510 MACHINE PLASTER



DESCRIPTION

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

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 response class	: A1

- These values are obtained under laboratory conditions ((23±2) °C temperature, 50% relative humidity) and may differ due to worksite conditions.
- MYFIX YILDIZ YAPI KİMYASALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ 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.

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.

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.

CONSUMPTION

- 15 kg/m² (For 1 cm application)

Yıldız Yapı Kimyasalları San. ve Tic. Ltd. Şti.

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MKS-510 MACHINE PLASTER

WARNINGS 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.

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.

QUALITY CERTIFICATES

- In Accordance with **TS EN 998-1** standards

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TS EN 998-1:2017 General purpose rough plaster mortar (GP)	
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COMPLEMENTARY PRODUCT(S)

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