

MU-445



Premixed mortar that is suitable for screed application at warehouse or area that needs high compressive strength and surface strength. Has compressive strength equal to K-300, strong surface coating and can be exposed. The self-compacting formula make the leveling work faster and easier to achieve a flat and smooth surface.

Technical Data Sheet

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TECHNICAL DATA

Product Format	Powder
Color	Gray
Binder	Portland cement
Aggregate	Sorted sand with maximum grain size 2,4 mm.
Additive	Additional solvent to increase the workability and adhesion.
Water addition	4,5 – 5,0 liter/sack 40 Kg
Consumption	± 1 m ² /sack 40 Kg/ 20 mm thickness.
Fresh density	2,0 Kg/L
Pot Life @35°C	60 minutes
Application Thickness	20 – 30 mm
Adhesion Strength	0,8 N/mm ² @ 28 days
Compressive Strength	16 N/mm ² @ 28 days
Flexural Strength	5 N/mm ² @ 28 days
Traffic Time	After 24 hours

Kemasan

40 Kg of plastic sack

Handling and Storage

Keep inside the closed and dry room. Avoid an excessive stacking, maximum 8 stacks per pallet (maximum 2 stacks of pallet).

Shelf life

10 months if it is stored in a sealed bag inside the dry closed room.

Substrate of Application

- Surface of ground that is solid and flat.
- Surface of concrete that is already coated with MU-L500 AcryBond or MU-830 PatchCrete.
- Surface of MU-600 DryShield that is already coated with with MU-830 PatchCrete.

Product advantages

- Has compressive strength that is equal to K-300.
- Friction resistant and strong enough to take vehicle load like truck and forklift.
- Has low expansion-shrinkage due to additive dual expansion.
- Self-compacting formula make the applied surface smoother and flatter.
- Stronger coating surface therefore it can be exposed. Can be used for interior and exterior.
- Can use silo system for a better productivity.

APPLICATION METHOD

1. Substrate preparation

- If it is applied on top of the concrete floor surface, clean the area from dirt & oil.
- If it is applied on the ground surface, make sure that it has been solidified and flattened. And then cover with hoarding sand as the base of working area.
- Put adequate markings for surface level and flatness reference of application.

2. Mixing and blending process

- Pour 4,5 – 5,0 liter of water for each sack of MU-445 (40 kg).
- Pour the dry mixture of MU-445 into the mixing container.
- Mixed the above mixtures evenly.
- Very recommended to use mixer to obtain mixture with uniform consistency.

3. Application process

- If MU-445 will be applied on top of concrete floor surface, apply MU-L500 AcryBond first as the bonding agent.
- Mixture spreading is done manually using scrapper as usual.
- Recommended mixture thickness is minimum + 20 mm.
- Very recommended to use multilayer method with wire mesh for thickness more than 50 mm.

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