



DELTA MORTAR TECHNICAL DATA

Description

Delta MORTAR is high quality cement based, polymer-modified premixed dry thin bed mortar for building AAC blocks and cement-block walls. It has strong adhesive characteristics on all substrates. **DELTA BLOCK MORTAR** can be applied for interior and exterior use on horizontal and vertical surfaces.

Composition

DELTA MORTAR consists of selected crushed limestone mixed with graded sand maximum grain size 1.2 mm. and special polymerized additives to improve consistency, workability and adhesion to all types of substrates.

Standards

DELTA MORTAR is formulated to comply with **ANSI and European standards EN.**

Colors

DELTA MORTAR is available in grey color, also may be produced in white color in case of client's request.

Packing

DELTA MORTAR is available in 20 kg bags.

Advantages

- High quality control system for raw material selection and testing products.
- Exact mixing ratios (scales and weighing process) with controlled mixing method.
- Economic, fast and easy to use (mix & apply), only addition of water is required.
- Excellent workability, open time and adjustment time.
- Excellent bonding, crack free, high resistance to water and extreme weather conditions
- Fire resistance.
- It is suitable for dry and wet areas, internally and externally..
- Non shrinkage mortar.

Technical Data

• Binder	Portland Cement	ASTM C150
• Density	1.4 kg / liter	
• Water Addition	4.6 – 5.5 liters /20 kg. bag	
• Pot life (24°C)	Approx. 2 hrs	
• Open time	15 – 20 minutes (Depending on weather conditions)	
• Flexural Strength	> 35 Kg / cm ²	(after 28 days)
• Compressive Strength	> 150 Kg / cm ²	(after 28 days)
• Shear Strength	> 20 Kg / cm ²	(after 28 days)



Coat Thickness

Typically, (2 – 3) mm

Depending on type, size of AAC blocks and quality of surfaces

Coverage

20 kg/m³ coverage rate is varying depending on the surface condition.

Application Procedures

- Remove dust, oil, grease, loose materials & paints which may affect adhesion with the substrate or the blocks.
- AAC blocks must be clean and free from dust.
- AAC blocks must be well treated by spraying the surface with clean water before application.
- Put 7 - 8 liters of clean water in a suitable pot, then add one bag of **DELTA BLOCK MORTAR** gradually and mix for 3 minutes using a mechanical mixer till the mixture is uniform and free of lumps.
- Let the composition stand for about 10 minutes and mix again.
- The product now is ready for application by special tool (Notched Trowel).
- If the mortar in the pot starts to harden, do not add extra water; just remix till it turns back to the desired consistency.

Cleaning

- Tools and equipments shall be washed and cleaned with water directly after use.
- Fresh mortar can be removed with water, but once hardened only mechanical removal is possible.

Storage life

12 months from the date of manufacture under proper shaded storage place away from moisture.