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A Green Revolution For Future Buildings



**CELL O CON**  
**DRY MIX MORTAR (JOINT MORTAR)**  
**FOR AAC BLOCKS & FLY ASH BRICKS**

**A TECHNOCRAT'S QUALITY PRODUCT**

✓ **GERMAN TECHNOLOGY** ✓ **SCADA QUALITY CONTROL**

✓ **INNOVATIVE GREEN PRODUCTS**



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# CELL O CON DRY MIX MORTAR (JOINT MORTAR) For AAC Blocks



## CELL O CON DRY MIX MORTAR - AAC BLOCKS

### CELL O CON READY TO USE DRY MIX MORTAR

CELL O CON Dry Mix Mortar is ready to use dry mix mortar formulated by blending selected cement binders, graded aggregates and chemical additives for laying AAC Blocks.

CELL O CON Dry Mix Mortar is ready to use by just mixing into water at the site. This process eliminates job site mixing process of conventional cement mortar ratio by adding specified quantity of cement and sand with water separately.

### CELL O CON DRY MIX MORTAR - ADVANTAGES

- International, Branded Standard Polymer has been used for adhesive, bonding, flexural strength, tensile strength & compressive strength.
- Water resistance more than 95%.
- Ready to use dry mix mortar, requires only water.
- Excellent adhesion and good anti-sagging property.
- Versatile to use as laying mortar for AAC Blocks.
- No hair line cracks caused due to material shrinkage.
- Uniform & High strength and smooth surface finish
- Thin bed application helps in clean and neat laying practice, resulting in considerable saving in material consumption.
- Economical as a result of fast installation.
- No curing required after laying AAC Blocks.
- Fibre Glass mesh at required interval improves the stability of the wall and cracks in the walls will be avoided.



CELL O CON Dry Mix mortar is easy to handle thus requiring less labour for mixing by using mechanical stirrer and laying masonry works.

Since thickness of the Mortar for laying AAC Blocks is thin, lesser quantity is required and also relieves the botheration of adding cement, sand and other additives separately, thus saving time and labour. Also more sand is not required which saves the environment.



**CELL O CON DRY MIX MORTAR - TECHNICAL DATA  
FOR AAC BLOCKS**



Supply form	Cementitious Grey Powder
Application Thickness	3 to 5 mm of AAC Blocks,
Binders	Portland cement & Polymers
Filler	Selected graded aggregates with maximum 1 to 1.5mm grain size.
Water requirement	30% of the weight of the mortar. According to the climatic conditions, to increase or decrease some percentage of water.
Density: ASTM C185	Dry= 1.3 kg / litre, Wet = 1.5 kg / litre
Compressive Strength	ASTM C109 < 4N / mm <sup>2</sup>
Splitting Tensile strength ASTM C1006	0.40 Mpa average @ 28 days for AAC Blocks of average compressive strength of 4N / mm <sup>2</sup>
Flexural Strength	0.57 N/mm <sup>2</sup>
Initial Shear Strength	> 0.15 N/mm <sup>2</sup>
Bond Strength	0.8 N/mm <sup>2</sup>
Fire Resistance	Class A1
Freeze & Thaw resistance	Passes the requirements
Water resistance BS 4551	> 95%
Drying shrinkage	ASTM C531 < 0.1%
Coverage	Yields-24 litre / 40 kg bag depends on block size.
Working Time	45 Minutes



**CELL O CON DRY MIX MORTAR APPLICABLE FOR LAYING  
FLY ASH BRICKS, BLOCKS & RED BRICKS**

**METHOD OF APPLICATION**

**Surface Preparation**

To ensure proper adhesion, the surface of blocks or bricks should be free from dust, oil and other loose particles.

**Application & Mixing**

Apply CELL O CON Dry Mix Mortar mixed with water to the required thickness of 3 to 5 mm for AAC Blocks by means of a trowel. Tool and Equipment should be cleaned promptly with clean water.

CELL O CON DRY MIX MORTAR supplied in 40kg bag to be mixed with potable water only in a clean bucket or a clean non corrosive uncontaminated metal tub. Use an electric agitator or paddle mixer to ensure a uniform mix for Blocks & Brick work.

The amount of water approximately 30% by weight, according to climatic conditions, to increase or decrease some percentage of water. Add CELL O CON Dry mix mortar to water, turn the contents of the bag carefully and stir frequently. After mixing, allow to stand for 5 minutes and mix again before applying. No further water addition is required to the Dry Mix Mortar. Don't remix or reuse hard or set mortar.

**STORAGE:** Always store in a dry place, off the ground and well covered.

**SHELF LIFE:** 3 Months in tightly sealed bags.

**PACKAGING :** In 40 Kg bags.



# CELL O CON DRY MIX MORTAR (JOINT MORTAR) For Fly Ash Bricks & Blocks



## CELL O CON DRY MIX MORTAR - FLY ASH BRICKS & BLOCKS

CELL O CON Dry Mix Mortar (Joint Mortar) for Fly Ash Bricks and Blocks is ready to use dry mix mortar formulated by blending selected cement binders, graded aggregates and chemical additives.

CELL O CON Dry Mix Mortar (Joint Mortar) is ready to use by just mixing into water at the site. This process eliminates job site mixing process of conventional cement mortar ratio by adding specified quantity of cement and sand with water separately.

### CELL O CON DRY MIX MORTAR - ADVANTAGES

- International, Branded Standard Polymer has been used for adhesive, bonding, flexural strength, tensile strength & compressive strength.
- Water resistance more than 95%.
- Ready to use dry mix mortar, requires only water.
- Uniform & High strength and smooth surface finish
- Thin bed application helps in clean and neat laying practice, resulting in considerable saving in material consumption.
- No curing required after laying Fly Ash bricks & Blocks.
- Provide sill bond beam and Lintel bond beam improves the stability of the wall and cracks in the walls will be avoided.
- Bricks to be laid according to BIS 1905-1987.

**STORAGE:** Always store CELL O CON Dry Mix Mortar in a dry place, off the ground and well covered. Reject hard or lumpy material.

**SHELF LIFE:** 3 Months in tightly sealed bags.

**PACKAGING :** In 40 Kg bags. For Fly Ash Bricks & Blocks.



Laying tools and accessories

### CELL O CON DRY MIX MORTAR - TECHNICAL DATA FOR FLY ASH BRICKS & BLOCKS

Supply form	Cementitious Grey Powder
Application Thickness	8 to 10 mm
Binders	Portland cement & Polymers
Filler	Selected graded aggregates with maximum 1.5 to 2.5mm grain size.
Water requirement	30% of the weight of the mortar. According to the climatic conditions to add or decrease some percentage of water.
Water resistance	> 95%
Drying shrinkage	< 0.1%
Coverage	Yields-28 to 30 litre / 40 kg bag depends on Bricks
Working Time	45 Minutes

