METHRAS
CELL O CON
A Green Revolution For Future Buildings

CELL O CON
DRY MIX PLASTER

A Technocrat's Quality Product

- GERMAN TECHNOLOGY
- SCADA QUALITY CONTROL
- INNOVATIVE GREEN PRODUCTS

INDIAN GREEN BUILDING COUNCIL
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CELL O CON DRY MIX PLASTER

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CELL O CON Dry Mix Plaster is manufactured in modern dry mix plant with computerized batch process. Plaster is ready to use by just mixing water at site. This process eliminates job-site mixing process. It gives consistent quality with required sand mesh sizes in exact proportion which is most Important for compactness of plaster.

CELL O CON Dry Mix Plaster has best work-ability, less rebounding losses, required slump properties and overall durability because of the polymers added in Dry Mix Plaster.

CELL O CON Dry Mix Plaster applicable for wall Plastering of AAC Blocks, Fly ash Bricks, Blocks, Red Bricks and RCC Surface plastering.


USING FIBRE GLASS MESH

CELL O CON DRY MIX PLASTER - ADVANTAGES

- International, Branded Standard Polymers have been used for adhesive, bonding, flexural strength, tensile strength and Compressive strength.
- Water resistance more than 95%.
- Compact plaster reduces void, negligible silt content.
- Reduces rebounding.
- High durable plaster that reduces the maintenance cost.
- Excellent workability and good adhesion on various substrates, paint finish and life of paint are enhanced.
- CELL O CON DRY MIX PLASTER can be plastered by using mechanised pump also.

USING GALVANISED MESH

CELL O CON DRY MIX PLASTER - APPLICATIONS

CELL O CON Dry Mix Plaster in 40 kg bags to be added with 30% of water, according to the climatic conditions, to increase or decrease some percentage of water, to be mixed in bucket and stirred with electrically operated stirrer. Allow the Dry Mix Plaster mixture to stand 3 mins for additives to dissolve, remix again for 2 mins before plastering.

CELL O CON Dry Mix Plaster applicable for both interior and exterior wall surfaces since the water proofing polymers are premixed in the mortar. CELL O CON Dry Mix Plaster Coverage depends on quality of the wall construction and depends on quality of substrates.

CELL O CON DRY MIX PLASTER - COVERAGE

10 -12mm Plaster on AAC Block walls: 15 -17 sqft. (approximately) per 40kg bag.

10 -12mm Plaster on Standard Fly Ash Bricks & Red Brick walls: 11 - 12sqft. (approximately) per 40kg bag.

10 - 12 mm Fly Ash Bricks, Blocks walls : 11 - 12sqft. (approximately) per 40kg bag.

USING FIBRE GLASS MESH

CELL O CON DRY MIX PLASTER - PLASTERING

CELL O CON Dry Mix Plaster can be applied in one coat if the wall or RCC surfaces are upto 10 to 12 mm thick. Dry Mix Plaster can be applied in two coats. If the wall or RCC surfaces havemore undulations, above 12 mm thick.

Galvanized weld mesh or Glass fibre mesh with 80 gsm to 120 gsm to be provided over the masonry before the plaster to avoid any cracks on wall surface.

The joints between beam, Column, Slab (RCC member) AAC masonry should be plastered after fixing up the galvanized weld mesh or fibre glass mesh to avoid shrinkage crack, shear crack and expansion crack.

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
Ready to use Dry Mix Plaster

- Versatile Dry Mix Plaster.
- Reduced shrinkage & cracks.
- Good anti-sagging property.
- Minimize hairline cracks.
- Uniform & high strength.
- Smooth surface finish.

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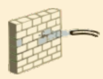
CELL O CON DRY MIX PLASTER - TECHNICAL DATA

Test	Test Method	Specification
Setting Time: Initial	IS: 4081 PART-5 1988	>=30 MIN
Setting Time: Final	IS: 4031 PART-5 1988	<=500 MIN
Pull Off Adhesion: 10mm thick on concrete. Storage 7 days in polythene bag @ 23'C + 7 Days @ 23'C with 50% R.H	ASTM 4541 & EN 1015-12	MIN 0.3 MPA
Water Retentivity	EN 1015-8	MIN 95%
Compressive Strength: 2 Days in mould + 5 days in polythene bag + 21 days@ 23'C with 50% RH	EN 1015-1999	As per EN998-1 for catagories (N/mm2) CSI - 0.4 to 2.5 CSII - 1.5 to 5 CSIII -3.5 to 7.5 CSIV ->6
Flexural Strength: 2 Days in mould + 5 Days in polythene bag + 21 Days @ 23'C with 50% R.H.	EN 1015-1999	MIN 1.8 MPA
Capillary Water Absorption	EN 1015-18	As per EN 998 - 1 W0.no. requirements. W1C ≦0.40kg /m2. min 0.5 W2C ≦0.20kg/m2. min 0.5

SURFACE CLEAN

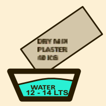
The surface should be
Free from oil, grease, paint,
Loose plaster or dirt particles.

WALL WETTING



Dampen the wall
Before application
Of plaster

MIX PREPARATION



In 12 - 14 liters of portable
Water add 1 bag (40kg)
Cell o condry mix plaster

LEAVE TO REACT

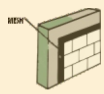
Leave the mix to react
For 5 mins and remix
Before use.

REMIXING

5 MINS

Remixing should be
Done for 5 mins

RCC & BLOCKS / BRICKS WALLS JOINTS



All concrete and block/
Brick joints, wall must be
Covered with glavanished
Mesh or fibre glass mesh

FIRST COAT

Apply cement slurry
Over the glass fibre mesh or
Galvanized mesh. If the surface
is more and dense, the surface
Should be made rough.

SECOND COAT

Second coat should be
Done with smooth finish,
Ensure grooving on
First coat to provide
Good grip of second
Coat.

LEVELLING

During the second coat
Ensure proper leveling with
The help of leveling tools.

WATER CURING

After the plaster is dry,
Curing to be done for
2 to 3 days.

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Disclaimer: The Specifications and properties given in the brochure are as per the standards given in BIS for DRY MIX PLASTER. The test results are in conformation with the specifications as per BIS, at the time of the laboratory tests.