



WE ARE ALWAYS WITH YOU  
**CONSTRUCTION TO LIVING !**

# READY PLASTER



## **BREATHABLE (High Porosity, High Permeability)**

In our view, sustainable structures should be designed to breathe, just as we do. If a building envelope is too air tight, moisture can become trapped inside.

One of the outstanding benefits of using Ready Plaster. Ready Plaster allows you to build permeable wall systems, eliminating standing condensation. A Ready Plaster structure “breathes” and enabling moisture to evaporate.

If you’re building in a damp or tropical climate, preventing moisture damage is especially critical. Use of Ready Plaster will enable you to build structures that prohibit moisture, bacteria, mold and mildew from forming within the building envelope



## ENERGY EFFICIENCY

Ready Plaster offer thermal comfort and protection, It supports in energy saving system.

## MOISTURE RESISTANCE

Ready Plaster can tolerate damp and sea-side applications that would normally de-laminate acrylic-based plasters, latex-based paints and Gypsum-based plasters.

## **LOW THERMAL CONDUCTIVITY**

Ready Plaster plays a pivotal role in creating optimal thermal protection.

## **WORKABLE**

It is supplied in powdered form; it is pretty much the same as mixing and working with modern cement. Mixed to the right consistency, Ready Plaster mortar & plaster are beautiful materials to work with.

## **HYGIENIC**

Of many issues at hand with non-sustainable structures, Indoor Air Quality is a critical concern. Artificial, chemical-based structural paints and plasters have been cited as a major factor in releasing poisonous air pollutants and airborne bacteria.

When a structure is properly designed, Ready Plaster eliminate VOCs, mildew, mold, and bacterium while creating huge advantages to the structural elements of the building.

Using Ready Plaster, places you directly in line with truly sustainable building practices.

The surface need to be cleaned and made free from grease and loose particles. The porous and absorbent substrates need to be pre-wetted prior to application of READY PLASTER to prevent premature loss of water from the plaster. This will ensure that thin layer can be applied without cracking problems and proper cement hydration and adherence of the mortar to the substrate is attained.

- Use 7-9 liters of water approximately for 40 kg READY PLASTER. Mix the clean water with READY PLASTER for 4-5 minutes with hand or stir better with mechanical mixer to achieve a good consistency. Do not over mix.
- Allow mixture to stand for 5 minutes for additives to dissolve and after re-mix, plaster is ready for use
- Apply plaster to the substrate, using some pressure while finishing with a steel trowel or wooden float to ensure optimum bonding of the plaster to the substrate surface.
- READY PLASTER can be either hand- applied or spray machine-applied.
- READY PLASTER can be used in exterior and interior surface.

**PACKAGING**                    **40kg HDPE bags.**

**STORAGE**                    **Dry and protected.**

**Comparison with conventional method of plastering**

Parameter	Ready Mix Plaster	Conventional Method
Application time	Fast application	Not possible
Quality	Consistent quality due to computerized process	Manual mixing, hence not possible to test every batch
Shrinkage cracks	Minimum shrinkage cracks	Significantly high shrinkage cracks
Handling and storing	Minimum shrinkage cracks	Difficult to keep stock of different materia
Wastage	No wastage	High wastage
Efflorescence	Negligible	Observed in many cases
Sand	Graded	Not graded
Rebound loss	Minimum	High due to non-gradation & bigger sand particle size

**QUALITY ASSURANCE**

This product undergoes third party and in-house monitoring, using a quality management system which conforms to the current international standard EN ISO 9001 and the environmental standard ISO 14001.

**TECHNICAL DATA**

PROPERTY	TYPICAL RESULTS
Colour	Cement Gray
Pot Life	2 hrs
Maximum grain size	2.5mm
Bulk Density	1.5
PH	Alkaline
Coverage	15-20 Sqft/40 Kg bag at thickness of 12-15mm
Curing	Curing required 6-7 Days
Recommended mixing ratio	7-9 Ltrs water/bag



## SMOOTH & STRONG JOINTING MORTAR

### ◆ Products

Blockjoint is a versatile thin jointing material for laying AAC blocks, fly ash bricks, concrete etc . Block joint mortar is specially designed to provide stronger, much more durable bonding between the blocks with superior adhesive strength. It replaces conventional cement and sand mix mortar.

### ◆ Benefits

No water curing is required after application, thus saving on labour & water required for curing the walls.

Ready for subsequent application like plastering just after 24 hours of application, thus assuring speedy return on investment & saving on supervision & labour cost & construction time of the project.

Thinner jointing material with very high adhesive strength. Improves overall masonry strength and load bearing capacity & waterproofing properties.

Thinner layer of application for lesser Shrinkage and seamless structure.

Eliminates lengthy process of site mixing, transport and storage of all individual materials.

Pre-mixed and ready to use. Only water to be added at site.

Compressive strength is 3-4 times higher than the conventional mortar.

### ◆ Packing & Coverage

40kg of woven bag. Under normal condition, the coverage of Blockjoint at average thickness of 2-3 mm for a bag of 40 kg is.

Block / Brick size	Unit	Coverage Area
100 mm*240 mm*650	sqft.	160-180
125 mm*240 mm*650	sqft.	130-150
150 mm*240 mm*650	sqft.	120-140
200 mm*240 mm* 650	sqft.	80-100



### ◆ Specification Clause

Blockjoint is a smooth & strong jointing mortar used for AAC blocks, fly ash bricks, concrete etc. It has tensile adhesion strength = 0.85 m/sq.mm, pot life = 1 hr. , hard dry = 24 hrs. water demand 25-30 % , self curing. Blockjoint is provided

in 40kg bag. Recommended application thickness is 2-3mm.

### ◆ Technical Properties

1	Colour	Cement Grey
2	Physical form	Free Flowing Powder
3	Water demand	25- 30%
4	Workability	Very good
5	Hard dry	24 hrs
6	Pot Life	Approximately 1hrs @ 27 c
7	Self curing	Yes
8	Tensile adhesion Strength	0.85 N/sq.mm

### ◆ Compressive Strength

Sr. No.	Age in days	Compressive strength
1	3 days	4.5N/mm <sup>2</sup>
2	7 days	12.5N/mm <sup>2</sup>
3	28 days	18.7N/mm <sup>2</sup>

### ◆ Shelf Life & Storage

6 months if stored in cool & dry shade.



### ◆ Health & Safety

Blockjoint is non-flammable. However, it should not come in contact with skin and eyes. If accidental skin contact occurs, remove immediately by washing with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Avoid inhalation of vapors and ensure adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection. Barrier creams provide additional skin protection. If swallowed seek medical attention immediately. Do not induce vomiting.

### ◆ Technical Services

While new advances and changes will take place but one thing will never change is quality and meeting special needs of our customers. We are eager to work with you in development of new product and solve your problem.

### ◆ Areas Of Application

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### ◆ APPLICATION

#### Surface Preparation:

The surface of masonry units should be slightly wet prior to application of Blockjoint.

The surface must be structurally sound. Efflorescence & any other contaminant which could impair the natural bond should be removed.

The masonry units should be clean, with no loose particles or dust for better bonding.

Surface defects such as cracks, holes or voids should be repaired prior to application.

#### Mixing:

Mixing Ratio – depending on the thickness of the product to be applied, add approximately 25-30% of the clean potable water and 70% of powder and mix.

Water is added in stages to get a smooth, uniform, workable mix. Allow ample time for initial mixing.

Ensure that no powder is left unmixed at the bottom of the vessel.





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