



**InnoChem**  
Smart Solutions, Strong Foundations

1<sup>ST</sup> FLOOR, GALA NUMBER 119, VAPI CO-OP INDL SOCIETY, GIDC, PLOT NUMBER 99, VAPI, VALSAD 396195.

## **InnoChem BLOCK JOINTING MORTAR**

### **BOND. BUILD. BOOST.**

#### **1.DESRIPTION**

InnoChem Block Joint Mortar (BJM) is a ready to use grey cement based non-shrink, self- curing mortar for fixing AAC blocks, Concrete blocks, and fly ash bricks. It has superior strength and lasting durability. Widely trusted by real estate developers and builders, this high-performance mortar exemplifies quality and dependability, making it the go-to solution for both interior and exterior applications.

Specially formulated for the quick and reliable installation of AAC blocks with thin joints, BJM is a high-strength adhesive composed of carefully proportioned cement, graded sand, and advanced polymers.

Its formulation ensures not only excellent bonding strength but also superior water retention.

#### **2.FEATURES AND BENEFITS**

- High Bond Strength
- Premixed
- Higher coverage
- Minimal Wastage
- No Curing
- Economical



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### 3. APPLICATION

- Block Joining Mortar should be mixed mechanically using a forced action mixer or in a clean container with a low-speed drill fitted with a mixing paddle (maximum 500 rpm). Do not use a conventional concrete mixer. Mix thoroughly with clean water for at least 3 minutes. Allow the mixture to rest for a minimum of 5 minutes to let air bubbles escape. Then, remix for about 15 seconds before application.
- The mortar is now ready for use. If the substrate is highly porous, or if working in high temperatures or low humidity conditions, it is recommended to lightly dampen the surface before application. Ensure no standing water remains.
- Apply a thin, even layer (2–3 mm) Block Joining Mortar onto the clean, leveled surface of the masonry units using an appropriate trowel.  
Lay the next course of blocks on the freshly applied mortar bed, aligning them properly and pressing gently with the trowel handle to set them in place. Before placing the next unit—especially in the case of bricks—apply mortar to the side face of the previously laid unit to ensure proper bonding.
- Clean off any excess mortar immediately to maintain neat work. Continue this procedure throughout the masonry construction. Do not disturb the set blocks or bricks for at least 24 hours to ensure proper curing and bond strength.

### 4. COVERAGE

Coverage may vary depending on surface evenness, block size, and the thickness of the mortar layer. Under standard conditions, a 30 kg bag of mortar covers approximately 90 to 110 sq. ft. while a 40 kg bag covers around 130 to 150 sq. ft. based on block dimensions of 600 mm x 200 mm x 100 mm.

#### FOR MIXING:

- Use 7 to 9 liters of clean water for a 30 kg bag
- Use 10 to 12 liters of clean water for a 40 kg bag

Proper water proportion ensures optimal workability and bonding performance.



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## 5. TECHNICAL DETAILS

| TEST                   | RESULT        |
|------------------------|---------------|
| Compressive Strength   | >7Mpa         |
| Split Tensile Strength | >0.41 Mpa     |
| Pot Life               | 1.5 to2 hours |
| Open Time              | 30 minutes    |
| Time to plaster        | 24 hours      |
| Time to full dry hard  | 14 days       |

## 6.SHELF LIFE

This product carries a shelf life of 6 months when stored in a cool dry place away from sunlight. Also, the above information should be treated as general guidelines as all the parameters like humidity, water additional and usage vary from site to site.

\*\*Product information given by company is shared in good faith for better understating of the product. It is meant to be used as a general guideline. There is no guarantee or warrantee undertaken if the output varies. These things depend on the applicator, the type of surface and other on-site related factors. We strongly recommend that the user does trials prior to full scale usage. The company does not assume any liability or consequential damage for unsatisfactory results, arising from the use of products.