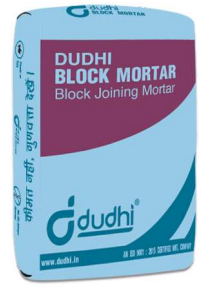


# **Block Adhesive**

a trusted name

Dudhi Block Adhesive is polymer modified adhesive suitable for block work in interior and exterior situations. It is designed for thin bed fixing of blocks of various kinds including light weight blocks. It contains selected graded dry sand, grey cement and imported polymers to improve workability, water retention, durability and adhesion.



## ► Specification

Parameter	Dudhi Block Adhesive
Pot Life	60 – 120 minutes
Hard Dry	20 – 25 hrs
Appearance	Grey Powder
Curing	No additional water curing is required
Tensile Adhesion Strength After 28 Days	0.5 – 1 N/mm <sup>2</sup>
Compressive Strength after 28 Days	10 -15 N/mm <sup>2</sup>
Coverage	4-5 sq.ft./kg for 3mm thickness
Average Thickness	3 mm For Block Size 600X200X150 mm
Water Demand	25 – 30%
Ingredients	Cement+ Graded Sand+ Additives+ Polymer
Shelf Life (Months)	6 Months in sealed bags. (Store in cool and dry place)
Packing Size	20 Kg & 40 Kg
Density	1400 – 1500 kg/m <sup>3</sup>
Standard	Complies the specification of IS-15477:2004

## ► Comparison Chart

Dudhi Block Adhesive	Conventional Mortar
Approx. Rs. 3.5/sq. ft.	Cement (0.5 kg @ Rs 300 per bag) = Rs. 3 + Sand (0.045cft @ Rs per cft) = Rs. 1.80 Total = Rs. 4.8 per sq. ft.
Fast Application	Not Possible
Plastering possible after 24 hours	Minimum 7 days curing required
Consistent quality due to computerised mixing and tested raw material	Manual mixing and not possible to test every batch
High bond strength (almost 5 times more than conventional mortar)	Not possible due to difference in properties of blocks and mortar
Negligible shrinkage cracks	More shrinkage cracks
Easy handling and storage	Difficult to keep stock of different components and high wastage



## ► Application Procedure

### ► Surface Preparation

- The surface of masonry units should be slightly wet prior to application of Dudhi Block Adhesive.
- The masonry units should be clean, with no loose particles or dust for better bonding.

### ► Mixing

- It is very important that Dudhi Block Adhesive is mixed with water thoroughly before use. It is advisable to use a mechanical stirrer for uniform mixing to save time, labour and for maximum workability effectiveness.
- Use a clean vessel/bucket which does not have any hole or cut and add some water in the empty vessel to ensure no powder gets stuck at the bottom of the vessel and put required quantity of Dudhi Block Adhesive.
- Mixing Ratio - depending on the thickness of the product to be applied, add approximately 25-30% of the clean potable water. 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.
- The jointing mortar is now ready for application.

### ► Application Methodology

- Layout the wall where Dudhi Block Adhesive is to be used and mark openings like door, windows or any architectural appurtenances.
- Apply a thin uniform layer of Dudhi Block Adhesive, 3-4 mm thick, on the clean & leveled surface of masonry units using proper trowel.
- Place the next course of masonry units on the evenly laid jointing mortar bed in proper line & level. Each masonry unit should be properly bedded and set in position by gently pressing with the handle of a trowel.
- After placing the first unit, apply Dudhi Block Adhesive of same thickness on both the sides of the unit, keeping continuous check for the line & level.
- Inside face of the masonry unit should be buttered with mortar before the next unit is laid and pressed against it especially in case of bricks.
- Clean the excess material immediately, if any. Continue the procedure for the entire masonry work.

### ► Precautions During Usage

- Though Dudhi Block Adhesive contains no toxic material, still care should be taken to avoid dust inhalation while mixing and handling. In case of contact with eyes or face, wash with plenty of clean water.
- Keep it in a dry place and out of reach of children.
- Persons who are allergic to cement should take proper precautions before use.



Saves water



Fire Protection



High Coverage



Temperature Control



Crack Free



Economical