

D+333 BLOCK ADHESIVE



PRODUCT DESCRIPTION

- D+ 333 Block Adhesive is a versatile thin jointing material for laying AAC blocks, fly ash bricks, concrete blocks etc. It is specially designed to provide higher bonding & higher tensile adhesion strength.
- It is pre-mixed, easy to apply high quality mortar comprising of cement, graded sand and polymers. D+ 333 Block Adhesive replaces conventional jointing mortar of 12-18 mm thickness with highly versatile 3-5 mm thickness.

Uses:

- Use For interior and exterior use for preparing thin bed adhesive for concrete blocks, hollow blocks, AAC blocks, fly ash blocks, refractory bricks or fly ash bricks.
- Do not use on flexible or gypsum-based substrates or to lay gypsum-based blocks.

TECHNICAL PROPERTIES:

Test	Results	Test	Results
Appearance	Grey colour powder	Time to plaster/ Hard Dry	24 hrs
Pot Life	125 minutes	Mix density	1.83 kg/m3
Water demand	19%	Curing	Self Curing
Open time	15 minutes	Packaging	40 kg bag
Adjustability	35 mins	Shelf life	6 month (If stored off the ground in a dry area, at 27°C and 50% RH)

PERFORMANCE PROPERTIES: (Typical Values)

Compressive strength @ 1 day	4.7 N/mm ²	Tensile strength@ 28 days	3.0 N/mm ²
Compressive strength @ 7 day	6.6 N/mm ²	Split Tensile strength@ 28 days	0.24 N/mm ²
Compressive strength @ 28 day	10.7 N/mm ²	Bond Strength @28 days	2.97 N/mm ²
Flexural strength @ 7 days	1.79 N/mm ²	Final Set time	460 minutes
Flexural strength @ 28 days	4.57 N/mm ²	VOC Content	0.12 %
Test Environment: Temp. +27 °C, Humidity : 90%.		Coverage *	11.15sq.mt
		IS 1199: PART 7:2018, ASTM C 109, IS 4031 (Part :6) :1988, IS 9162: 1979 RA 2022.	

* The coverage area however will depend upon the quality of the substrate and thickness of the material used. For best results, proper tools for mixing and application is advised which will result in higher coverage, savings in time and manpower.

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Advantages:

- High Adhesion Strength
- Self curing
- Pre-mixed and ready-to-use. Only water is to be mixed at site.
- Improved bond strength, compressive tensile strength and adhesion between two blocks.
- Easy to use.
- High Durability.
- Economical.

METHOD OF APPLICATION:

Surface Preparation

- Surfaces should be clean and free of all dirt, oil, grease, concrete sealers or curing compounds. Rough or uneven concrete surfaces should be made smooth with Cement underlayment to provide a better finish.

Mixing:

- Use approx. 40kg of D+333 Block Adhesive thin bed mortar with 7.0-7.6 Ltr. of potable water. Take water in the container and slowly add the powder into the water while mixing by hand or slow stirring mixing machine. Mix for 3 to 5 minutes till a smooth thixotropic mix without lumps is obtained.

(A) Thin bed mortar for laying blocks:

- Before placing mortar, ensure the block work to be dry and surface should be clean properly. Place the mixed mortar on the block work in thin layers of 2 to 3 mm using trowel and place the next layer of blocks on the mortar. Keep joints between the blocks as required by the site engineers and fill the joints with the mixed mortar, using a trowel. Check the plumb of the wall while laying the blocks to keep the walls perfectly vertical to the plumb.

(B) Smoothing over the block work:

- Before placing mixed mortar, apply a bonding layer of 2 to 3mm thick D+333 Block Adhesive mortar using a trowel pressing down on the block work.

Cleaning:

- Tools and containers should be cleaned using clean water after completion of work. The hardened adhesive can be removed from tools mechanically.
- Cured material can only be removed mechanically.

Notes:

- Always dampen the blocks, in all the situations: internal applications, when laying on hot days or when working in external areas. If a surface film forms, remove the adhesive and replace it with a fresh layer of the product. After completion of work, protect from rain for the first 24 hours.

Precautions:

- During use, avoid inhalation of the dust and contact with the skin or eyes, as it contains cement powder which releases alkalis.
- Wear suitable protective clothing - Eye protection, gloves and respiratory equipment (particularly in confined spaces).
- In case of contact with the skin, rinse with plenty of clean water, then cleanse thoroughly with soap and water. In case of contact with eyes, rinse immediately with plenty of clean water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting.

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Health and Safety Instructions:

- Protective clothing such as gloves, dust mask and goggles should be worn.
- Treat any contact to the skin or eyes with fresh water immediately.
- Should any of the products be accidentally swallowed, do not induce vomiting but call for medical assistance immediately.

STORAGE AND SHELF LIFE

D+ Block Adhesive has a self-life of 06 months when stored in normal dry conditions.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

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