



A Smart choice for Smart wall

JK SMARTBOND

C E M E N T M O R T A R

READY TO USE JOINTING MORTAR



JK Lakshmi Cement Ltd., a member of the prestigious J.K. Organisation, believes in offering complete solutions to customers in the area of construction. To meet this goal, the Company offers various products such as - Cement in various grades, different varieties of Ready Mix Concrete, Plaster of Paris (POP), One Coat Gypsum Plaster, AAC Blocks etc.

Continuing this endeavor, the Company has now added JK SMARTBOND which is a ready to mix jointing material for joining AAC Blocks, Fly ash bricks, concrete Blocks etc.

JK SMARTBOND is made from Cement, graded aggregates and self curing polymer and is specially designed to use with water to provide stronger and more durable mortar with excellent adhesive strength between masonry units.

- ✓ Water Saving - 75%
- ✓ Mortar Saving - 70%
- ✓ Time Saving - 50%
- ✓ Wastage - Nil
- ✓ Water Curing - Nil
- ✓ Water Resistant - High
- ✓ Excellent Finish
- ✓ Ready to Use

FEATURES AND BENEFITS

JK SmartBond offers a far better choice in terms of Speed, Safety, Strength and Savings against conventional cement sand mix mortar.

FEATURES	BENEFITS
Ready to use - Just add water	Eliminates process of site mixing, transport & handling, storage & wastages.
Unique chemical composition	Compact, thinner and stronger mortar
Improved adhesion between blocks	Improves load bearing capacity of masonry and reduces water penetration / seepage.
Thinner layer of application	Lesser shrinkage and beautiful structure. No raking and Rasing needed.
Self curing	No post - curing is required.* Saves water and cost by 75%
Ready for further work like plastering after 48 hours	Faster work.
Processed material at factory	Reduces risk of efflorescence
Longer pot life	Longer working time

APPLICATION AREAS

JK SmartBond is suitable for all interior and exterior applications for joining AAC Blocks, Concrete Blocks, Hollow Blocks, Aerated Light weight concrete blocks, Flyash Bricks etc.

* Curing in extreme climate advisable

APPLICATION STAGES

1) Surface preparation

- a. Surface of Block or masonry unit should be pre wet before use of JK SmartBond.
- b. For best results, surface should be cleaned and rasped with JK Smart tools This helps in better bonding.

2) Preparation of JK SmartBond – Mixing

- a. In a clean bucket or vessel, add some water and then put required quantity of JK SmartBond. Mix the product in water by gradually adding clean water. (Approx. 6-7 liters of water needed per 30 kg bag of mortar).

JK Smart bond should be thoroughly mixed with water before use .

- b. After proper mixing, leave the paste for 5-6 minutes before application and this mix should be used within 1 hour.
- c. For best results, use JK Smart tools kit for getting mixing paddle.

3) Method of application

- a. Apply thin uniform layer of JK SmartBond (3-4mm) on the clean and leveled surface.
- b. Use proper trowel to get uniform leveling. Clean the excess material, if any immediately. Continue your entire masonry work in the same way.
- c. For best results use Trowel supplied in JK Smart tools.

TECHNICAL PARAMETERS

PRODUCT INFORMATION	PROPERTIES	SPECIFICATIONS
	Appearance	Free flowing Grey Powder
	Packaging	bags 30 kgs
	Storage conditions	Dry
	Shelf Life	6 months in unopened manufacturers packing

APPLICATION INFORMATION	PROPERTIES	SPECIFICATIONS
	Water requirement	20% - 25% (6-7 Liters for 30 kg. bag)
	Pot life	1 Hour
	Hard Dry	24 Hours
	Bed thickness	3 - 4 mm
Coverage	Approx 1m ³ / 30kg bag @ 3 - 4mm thickness	

Disclaimer: Information in this booklet is as guidelines only. Users are advised to take trials of the product for suitability. There is no expressed or implied guarantee / warranty for the results. JK Lakshmi Cement Ltd. is not liable for any direct and / or consequential damages.

HEALTH AND SAFETY:

JK SMARTBOND is non-toxic. Care should be taken to avoid dust inhalation. In case of contact with eyes or face, wash with water and in case of prolonged irritation, medical advice should be sought.



JK SMART TOOLS

A range of modern day, customized tools make working with JK SMARTBLOX more easy and efficient



CHASING TOOL



HANDSAW



MIXING PADDLE



NOTCHED TROWEL I



NOTCHED TROWEL II



RUBBER Mallet



SANDING RASP

Note: Pot life, open time etc. vary according to conditions like temperature, humidity, wind factor etc. Site Mixes may show differences due to method of application.



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