

Thinner joints for stronger walls



**BIRLA
AEROCON**

BLOCK JOINTING MORTAR



SUPERBOND TECHNOLOGY

**NO WATER PERCOLATION
NO CURING REQUIRED
STRONGER ADHESION**

HIL is part of CK Birla Group, a growing US\$ 1.6 billion conglomerate that has a history of enduring relationships with renowned global companies. With over 20,000 employees, 22 manufacturing facilities and numerous patents and awards, the Groups businesses are present across five continents. We operate in three industry

clusters: technology & automotive, home & building and healthcare & education. Our companies are strengthened by common ownership and shared guiding principles that include a focus on long-term value, trust based relationships and philanthropy. Each business is transforming to build on the collective strength and synergies of the Groups size span.

Towards a green future with Aerocon:

Birla Aerocon is the pioneer in eco-friendly building solutions and provides a wide range of innovative and customised solutions like AAC blocks, new age panels used a dry walls, partitions, mezzanine floors, used in prefab structures, labour quarters, site offices etc. and plumbing (CPVC & UPVC Pipes & Fittings).

Birla Aerocon products are trusted by architects, engineers, PMC consultants, contractors and builders for their superior technology and consistent quality. Today Birla Aerocon has become synonymous to eco-friendly building solution provider. Using Birla Aerocon products entitles you to earn up to 6 LEED points.

BIRLA AEROCON

BUILDING SOLUTIONS

Birla Aerocon Block Jointing Mortar is a superior water resistant cement based mortar joint especially formulated for joining Birla Aerocon AAC Blocks etc. It contains selected graded dry sand, grey cement and imported & modified polymers that make the joints stronger and smoother. Its Superbond Technology further improves workability, water retention, durability and strong adhesions to surfaces. It is also more resistant to corrosive environment than traditional jointing mortars.

Birla Aerocon Block Jointing Mortar by virtue of its Superbond Technology ensures in laying strong and thin layer of joint. It is not only cost-effective, but also makes the walls even by improving the levelling of the walls and reducing the thickness of the plaster.

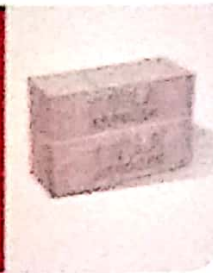


Traditional mortar joints (10 mm)

Birla Aerocon Block Jointing Mortar (3 mm)

Jointing Mortar with Superbond Technology

- Superior, imported and modified polymer
- Strong adhesion for most of the surfaces
- No heat loss through mortar joints



Key Features & Benefits:

- High strength with thinner joints (3mm thin)
- Faster construction as no curing is required
- Reduces Wastage
- Economical
- No water percolation
- Technologically superior and consistent in quality.

Surface Preparation and Precaution

- Masonry surface should be clean, without dust and voids. Pre-wet the blocks prior to the application of Birla Aerocon Jointing Mortar.
- Birla Aerocon Block Jointing Mortar contains only eco - friendly, fillers and additives. However, being sand and cement based it is alkaline and hence it is advisable to avoid direct eye and skin contact with this. In case of eye contact, wash with clean water at least for 15 minutes and seek medical help.
- Always add Birla Aerocon Block Jointing mortar to water and not water to Birla Aerocon Block Jointing Mortar during mixing.

Parameters	Test method	Specification
Appearance	Visual	Free flowing powder
Colour	Visual	Greyish
Open Time	EN 1346	10-15 min
Mixing ratio	By volume	3:1 (Powder to water)
Pot life	In-house	>90 min @ 27 deg C
Self curing	-	Yes, No water curing is required
Hard dry	-	24 hrs
Tensile adhesion(28 Days)	DIN EN 1015-12	>0.5 N/mm ²
Compressive Strength(28 Days)	DIN EN 1015-11	> 12 Mpa

Packaging & Storage:

- Birla Aerocon Block Jointing Mortar is available in 40 Kg bag and has a shelf life of 6 months subject to proper storage in cool dry place.
- As temperature, humidity and other parameters vary from site to site. The above information should be treated as a general guideline.

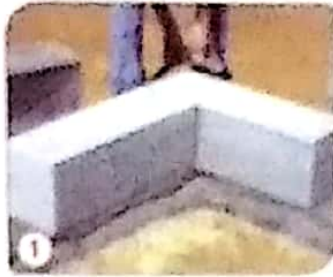
Water Demand:

Depending upon the substrate and climate approx. 10 to 12 litre of water for 40 Kg bag. For concrete blocks, wet mortar should have less water to form 2 to 3 mm bed of Birla Aerocon Block Jointing Mortar

Coverage:

Coverage of Birla Aerocon Block Jointing Mortar is approx. 120 to 140 sq. ft. of block size 600x200x100mm in 40 kg bag. The coverage area however will depend upon the quality and evenness of the substrate, thickness of joints.

Easy application for faster construction:



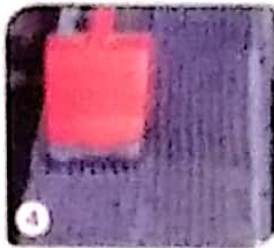
1
Conventional mortar used for laying first course of blocks.



2
In 10 - 12 l of water, add 40kgs of Birla Aerocon Block Jointing Mortar. Stir mix continuously for 5 - 10 mins by using electric mixer or by hand to obtain homogeneous lump-free mix.



3
Allow the resultant wet mortar to stand for 5 mins for the additive to dissolve. Use the mix within 20-30 mins for best results.



4
For better coverage, it is advisable to use trowel instead of 3-4 mm to have good contact and stronger bonding.



5
Ensuring 3 mm layer and complete filling of joints.



6
Scrapping to ensure uniformity for Birla Aerocon Block Jointing Mortar application.



7
Superfined Technology ensures high strength stronger joints.

Application Areas:

- Laying & jointing of masonry units like AAC Blocks, Hollow Blocks.
- Jointing of Concrete windows and door frames etc.

Major Projects of Birla Aerocon:



S&T Industries, Mumbai



Fiat Steel, Madurai



Shree Srinivas, Mysore



SCS Maheshwari, Chennai

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