

# Thinner joints for stronger walls



AEROCON  
**Smartfix**  
FINEST BLOCK JOINTING MORTAR



**SUPERBOND TECHNOLOGY**

No water percolation  
No curing required  
Stronger adhesion



HIL is part of the 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, 24 manufacturing facilities and numerous patents and awards, the Group's 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 Group's size and span.

#### Towards a green future with Aerocon:

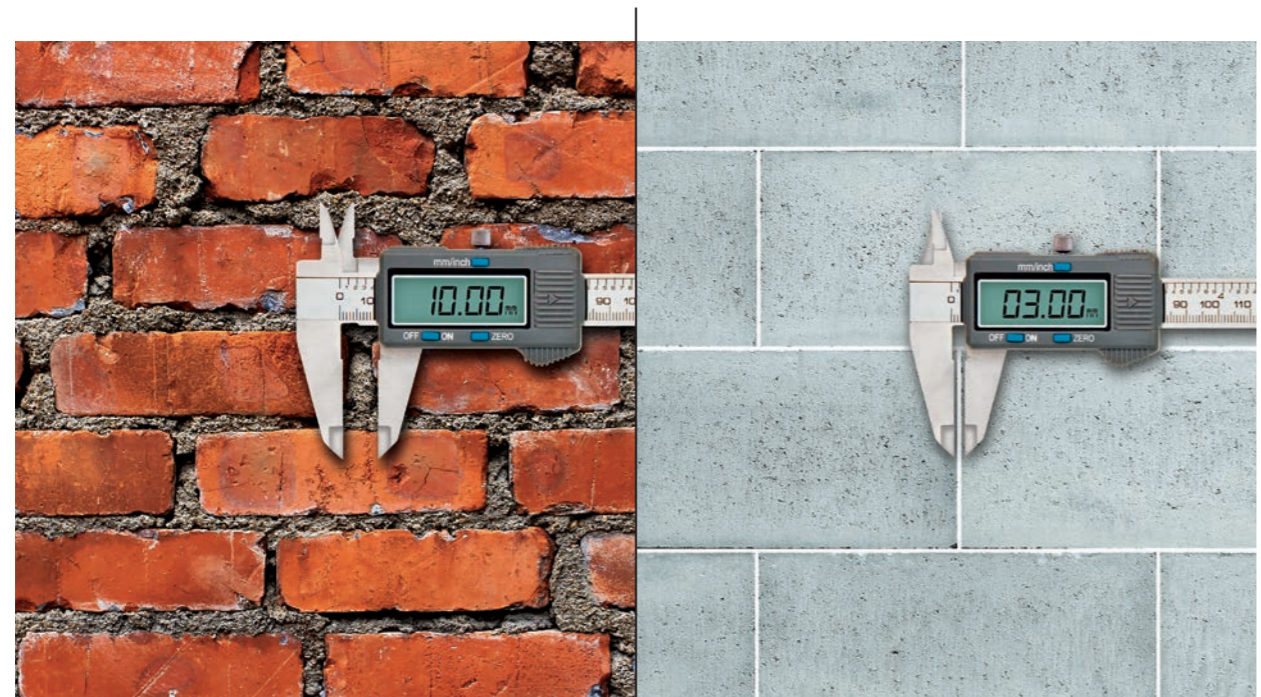
Aerocon is the pioneer in eco-friendly building solutions and provides a wide range of innovative and customised solutions like AAC blocks, new age panels used as dry-walls, partitions, mezzanine floors, used in prefab structures, labour quarters, site offices etc., and plumbing (CPVC & UPVC Pipes &

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



Aerocon is pleased to introduce an innovative new product – “Aerocon Smartfix” the finest block jointing mortar with the ‘**Superbond**’ Technology. Aerocon Smartfix is a superior water resistant cement based mortar joint specially formulated for joining Aerocon AAC blocks, solid blocks, hollow blocks, flyash bricks 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 adhesion to most surfaces. It is also more resistant to corrosive environment than traditional jointing mortars.

Aerocon Smartfix, 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)

Aerocon Smartfix Joints (3 mm)

#### 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 application of Aerocon Smartfix.
- Aerocon Smartfix 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 Aerocon Smartfix to water and not water to Aerocon Smartfix during mixing.

#### Specifications:

TEST	TEST METHOD	SPECIFICATION
Setting Time : Initial	IS : 4031 PART - 5 : 1988	> = 30 Min.
Setting Time : Final	IS : 4031 PART - 5 : 1988	< = 600 Min.
Recommended bed thickness	By application	3 - 4 mm
Bulk density	In-House	1000 - 1400 kg/m <sup>3</sup>
Water Demand	IS : 4031 ( P - 4 ) : 1988	35 % - Max.
Compression strength - 28 days	IS : 4031 ( P - 6 ) : 1988	> 12 N/mm <sup>2</sup>
Tensile adhesion strength - 28 days	BS : 5350 ( P - C6 ) : 1990	> = 0.66 N/mm <sup>2</sup>
Pot Life		60 Min.

#### Packaging & Storage:

- Aerocon Smartfix Jointing Mortar is available in 40 kg bag and has a shelf life of 6 months subject to proper storage in a cool and 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 add approx. 10 to 12 litres of water for 40 kg bag. For concrete blocks, wet mortar should have less water to form 2 to 3 mm bed of Aerocon Smartfix jointing mortar.

#### Coverage:

Coverage of Aerocon Smartfix Jointing Mortar is approx. 120 to 140 sq.ft. of block size 600x200x100 mm 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:



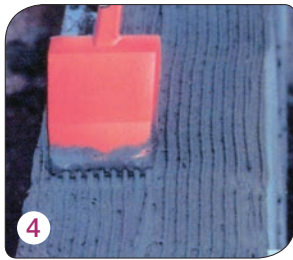
1  
Conventional mortar used for laying first course of blocks



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



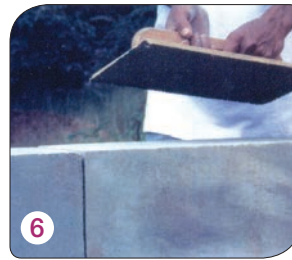
3  
Allow the resultant wet mortar to stand for 5 mins for the additives to dissolve. Use the mix within 20-30 mins for best results



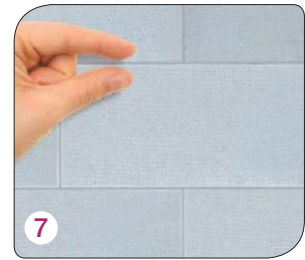
4  
For better coverage, it is advisable to use notch trowel of 3-4 mm, to have good contact and stronger bonding



5  
Ensuring 3 mm layer and complete filling of joints



6  
Scrapping to ensure uniformity for Aerocon Smartfix Jointing Mortar application



7  
Superbond Technology ensures high strength thinner joints

### Application Areas:

- Laying & joining of masonry units like AAC Blocks, Hollow Blocks, Fly Ash Bricks and Concrete Blocks etc.
- Joining of concrete windows and door frames etc.

### Major Projects of Aerocon:



L&T Infotech, Mumbai



Park Hyatt, Hyderabad



Oberoi Splendor, Mumbai



SIS Meridian, Chennai

The right choice. The smart choice!



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