

# aero<sup>TM</sup> BOND

## FEATURES & BENEFITS



### Thin Joints

Reducing the overall jointing material by around 75%, Ascolite mortar joints are also known for their high adhesive strength, enhancing the quality of masonry and minimizing shrinkage. Thin joints will also lead to accuracy in workmanship and neatness in the masonry work.



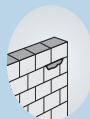
### Water Saver

Water curing is not required after application of Ascolite mortar as it contains self curing properties.



### Less Quantity

Since the quantity required is 75% less than conventional mortar, the storage requirements are comparatively minimal, saving site storage space and handling.



### Negligible Seepage

Due to the texture, chemical bond and properties of Ascolite mortar, seepage water penetration through joints is negligible.



### Time Saving

No site mixing required for various raw materials and overall less material required in the application process, which leads to less handling and quicker application, eliminating the lengthy process of wall construction.



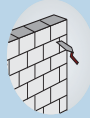
### Eco-Friendly

Ascolite mortar consists of materials that are environment friendly.



### Semi-Premix

Ascolite mortar bags are semi-premix solutions which only require the addition of water to prepare for application, reducing the hassle of mixing various raw materials and further saving a lot of time and manpower.



### No Raking

Raking of the joints or "U" grooving of the joints are not required before plastering, saving time and manpower.



### Easy Application

Easy to mix, blend and apply due to the smooth texture of the mortar, the semi-premix ensures higher flow-ability and water retention properties.



### Prevention of Efflorescence

Since the raw materials of Ascolite mortar are well processed and treated in standardised condition and method, the chances of efflorescence are minimum.



AAC BLOCKS JOINTING ADHESIVE

Amazingly **Strong.**  
Amazingly **Thin.**

## PRODUCT INTRODUCTION

Aero Bond Block Jointing Mortar is a semi premix high quality mortar for jointing and bonding of AAC blocks, concrete blocks, hollow blocks, clay bricks and fly ash bricks. Aero Bond Block Jointing mortar semi premix consists of cement, graded sand and specialised polymers which combine to give superior strength, water retention and stability. It replaces the conventional method and material of jointing mortar which requires a 12-18 mm thickness with a revolutionary 3-5 mm joint thickness.

## PRODUCT CHARACTERISTICS & TECHNICAL SPECIFICATIONS

PARAMETER	VALUES
Physical Nature	Free Flowing Powder and Grey in Color
Water Demand for ease in application	25-30 %
Ease in spread on surface	Excellent (In comparison to conventional mortar due to the consistency in texture and smoothness in application.)
Hard Dry	Approx 24 hours (further depending in the temperature and humidity conditions.)
Pot Life*	Approx. 30 Minutes
Splitting Tensile Strength (to measure the adhesion strength between two blocks of Ascolite when tested as per ASTM Method )	≥ 0.34 N/mm <sup>2</sup>
Compressive Strength of Mortar @ 28 days	≥ 5.0 N/mm <sup>2</sup>
Particle Size Maximum	1 mm
Workability Using Standard Flow Table.	170-180 mm with 28 % of Water at 27° C
Silt Content in Sand	< 1%
Bulk Density	1650 - 1700 kg/m <sup>3</sup> (In standard testing conditions - Without Vibration)

Ingredients : Graded Sand, Pozzolan material, Binder, Performance additives.

Packaging : 40 Kg Bags.

: Keep in dry place free from moisture and water. Do not leave the bag/bags open.

## We also manufacture

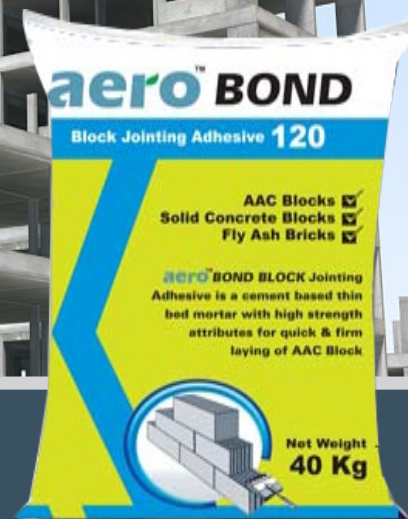


aero<sup>TM</sup> BOND

Production Unit At : Ranipur Industrial Area  
Didarganj, Patna (Bihar)

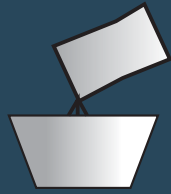
# aero<sup>TM</sup> BOND

The Wonder  
Building Material



A PRODUCT BY  
**SINHA ENGICON PVT LTD.**

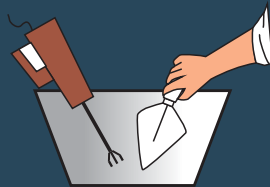
## # 1 Mortar Mixing



In a clean bucket, mix Aero Bond thin bed mortar in 25-30% of water.

एक साफ बाल्टी में, लगभग एक भाग पानी में तीन भाग एयरो बॉण्ड मोर्टार को मिलाएं।

## #2 Mixing by Mixer or Tool



Mix first for 5-10 minutes by hand or electrical mixer to mix homogeneously/

एक-समान मोर्टार-मसाला तैयार करने के लिए 5-10 मिनट तक हाथों से या इलेक्ट्रिक मिक्सर के द्वारा मोर्टार को मिलाएं

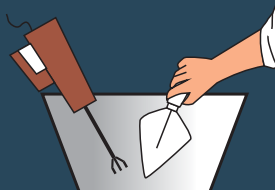
## #3 Reaction Time

5  
Min.

Allow Mortar to stand for 5 minutes

अब मोर्टार - मसाले को मिलाने के बाद 5 मिनट तक वैसे ही छोड़ दें।

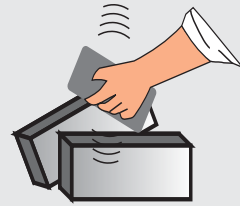
## #4 Mortar Remixing



Mix again for 2-3 minutes. Now thin bed mortar is ready to use.

फिर से 2-3 मिनट तक मोर्टार-मसाला को मिलाएं, अब आपका एयरो बॉण्ड मोर्टार-मसाला उपयोग करने के लिए तैयार है।

## #5 Clean Surface



Before application clean the surface of blocks using suitable tools like brush so that any foreign material is not held on the blocks.

मोर्टार-मसाला का उपयोग करने से पहले ब्लॉक की सतह को पानी से अच्छी तरह धो लें ताकि ब्लॉक की सतह पर किसी तरह का कण/धूल नहीं रहे।

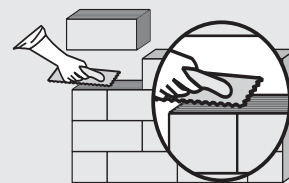
## #6 Wet Surface



Wet the surface of blocks before applying mortar.

मोर्टार-मसाला का उपयोग करने से पहले ब्लॉक की सतह को पानी से गीला करें।

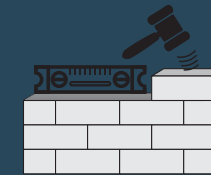
## #7 Mortar Spread



Mortar should be spread on all sides of block in such a way to maintain the bond thickness 3-5 mm.

ब्लॉक पर मोर्टार-मसाले की मोटाई 3-5 मि.मी. रखना है। इसलिए मोर्टार-मसाला को पूरे सतह पर अच्छी तरह फैलाएं।

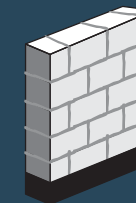
## #8 Alignment



Use Spirit Level and fibre hammer to remove any air gaps in between blocks for proper jointing and alignment.

स्पीट लेवल/सूता और रबर हथौड़ा की मदद से 2 ब्लॉक को एक लेवल में जोड़ें। ध्यान रहे की 2 ब्लॉक के बीच कोई गैप न रहे।

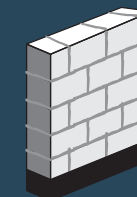
## #9 DND



Do not disturb the wall after application mortar for at least 24 hours

ब्लॉक की जुड़ाई करने के बाद कम से कम 24 घंटे तक दीवार के साथ कोई छेड़छाड़ नहीं करें।

## #10 Setting Time



The Setting Time Is Affected By Climatic Conditions, Allow Stand-alone Time accordingly.

मोर्टार सेट करने के समय में मौसम का भी प्रभाव पड़ता है, इसलिए मौसम के अनुसार सेट करने के लिए उचित समय देना है।