

## Technical Information

### RENABOND AAC Joint Mortar

#### Cementitious Mortar for ACC, ALC and Cellular Concrete blocks

---

<b>Overview</b>	A cementitious polymer modified adhesive designed for laying with light weight Masonry units like AAC, ALC and Cellular concrete blocks
<b>Key Features</b>	<ul style="list-style-type: none"> <li>◆ Ready to use, Just add water.</li> <li>◆ Easy mixing and application</li> <li>◆ Flexible, shock and impact resistance</li> <li>◆ Quick and economical</li> <li>◆ Formulated with locally sourced minerals</li> <li>◆ Contribute to LEED points</li> </ul>
<b>Standards</b>	◆ Renabond AJM meet the standard requirements of IS 2250 and ASTM C1660-09
<b>Areas of Application</b>	<ul style="list-style-type: none"> <li>◆ For Interior and exterior areas and when use with Masonry blocks</li> <li>◆ For fixing Autoclaved Aerated Concrete blocks (AAC Blocks) or Aerated Lightweight Concrete blocks (ALC Blocks), Fly ash bricks, and cellular concrete blocks</li> <li>◆ <b>Note:</b> Contact Our Technical Services for recommendations.</li> </ul>
<b>Installation</b>	<p><b>Preparation</b></p> <ul style="list-style-type: none"> <li>◆ All Substrates should be structurally sound, clean and free from any kinds of debonding agents, dust, grease, oils, paint, release agents, etc..</li> <li>◆ Clean the area and completely remove all the construction debris before the application.</li> <li>◆ All tile and non-porous surfaces should be cleaned well with neutral water based cleaner followed by cleaning with water.</li> </ul> <p><b>Mixing</b></p> <ul style="list-style-type: none"> <li>◆ Use clean, potable water for mixing</li> <li>◆ Add Renabond AAC Joint Mortar to the clean water into the mixing pot.</li> <li>◆ Use approximately 10 L of water for 40 kg of Powder.</li> <li>◆ Use a slow speed mixer for mixing or mix it by hand.</li> </ul> <p><b>Application</b></p> <ul style="list-style-type: none"> <li>◆ Always, Use an appropriate Standard notched trowel for application.</li> <li>◆ Place the masonry blocks in the wet adhesive and adjust the blocks by using a plumb bob.</li> </ul>
<b>Limitations</b>	<p>Substrate temperatures should not be less than 5°C</p> <p>Avoid application if the work area may be subject to the onset of rain or moving water.</p> <p>Do not part mix under any circumstances.</p> <p>All products should be used within the pot life.</p> <p>Materials not used within the specified time should be discarded.</p>

## Technical Information

Technical Data (typical values)	
<b>General</b>	
Bulk density (kg/m <sup>3</sup> )	1550
Dry Solid Content	100
<b>Application</b>	
Mixing ratio	100 Parts of Renabond AJM with 25 to 27 parts of water (by weight)
Density of the mix (kg/m <sup>3</sup> )	1125
pH of the mix	12
Pot life	1 to 2 hours
Application Temperature	5 to 40 °C
Ready for grouting	24 hours
<b>Performance (Renabond AAC Joint Mortar mixed with water)</b>	
Parameters	Typical Values
Splitting Tensile Strength Test	
7 days	0.41 N/mm <sup>2</sup>
28 days	0.55 N/mm <sup>2</sup>
Compressive Strength	
1 day	1.0 N/mm <sup>2</sup>
3 days	4.8 N/mm <sup>2</sup>
7 days	7.6 N/mm <sup>2</sup>
28 days	11.0 N/mm <sup>2</sup>
Water Retention (in %)	95

**Coverage**      A 40 kg bag covers approximately 11.5 to 12.5 m<sup>2</sup> (125 to 130 ft<sup>2</sup>) using a 6 mm x 6 mm square notched trowel for a bed of 3 mm.  
 Note: Coverage are approximate. For actual values, contact our marketing team.

**Packaging & Shelf Life**      Renabond AAC Joint Mortar is available as 40 kg bags.  
 Colour: Grey  
 Has a shelf life of 12 months from the date of Manufacturing when stored in a dry, elevated area in the original unopened packaging

**Warning!**      Keep out of reach of Children.  
 Product for Professional Use  
 Wear Suitable protective clothing, gloves while handling  
 For Clarifications and Usage related queries, Contact our Technical Services

## Technical Information

### Additional Information

#### India

Renaatus Procon Private Limited  
No:139, VIBGYOR,  
Kodambakkam High Road  
Nungambakkam, Chennai-600034

Renaatus Procon Private Limited  
No:156, Mullamparapu,  
N.G. Palayam (Post)  
Erode-638115

+91 73738 73738  
marketing@renacon.in

#### Maldives

Renaatus Ithaamuiy,  
Hulhumale, Maldives.

+960 9558777  
sales.male@renacon.in

# Renacon



The data presented in this medium are in accordance with the present state of our knowledge but do not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. All the above information must in every case be taken as merely indicative and subject to confirmation after long time application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

The applicable version of the Technical Data Sheet for this product can be downloaded from our websites. Previous versions of the Technical Data Sheets are rendered void with the issue of a new one. Date of issue: 06.04.2023/V1