Euromix™ AAC Adhesive



Euromix™ AAC Adhesive is a dry mix, full polymer, cement-based adhesive which has been specially formulated for bonding lightweight AAC panels and blocks.

1. Product Summary:

Euromix™ AAC Adhesive is a white-cement based adhesive powder, designed for use as the bonding cement between autoclaved aerated concrete (AAC) panels and blocks.

Applied by hand, using a notched trowel, Euromix™ AAC Adhesive develops high tensile strengths after curing.

Product Name	Euromix™ AAC Adhesive.
Code	RENAAC
Packaging	Dry packed in 20kg composite paper and plastic bags.
Appearance	In the bag and before the addition of water, Euromix™ AAC Adhesive appears as an off-white / light grey mixture of finely ground, cement like materials and sand. After application and drying, Euromix™ AAC Adhesive finishes to white/light grey colour with a slightly rough texture.

2. Product Features:

Special chemical additives ensure that Euromix™ AAC Adhesive remains workable for up to 5 hours but cures sufficiently such that it can be over-coated 24 hours after application (in normal weather conditions).

The proportions of cement, sand, adhesive and other components are consistently maintained in manufacture, at levels designed to give superior, consistent adhesion.

3. Typical Uses:

Euromix™ AAC Adhesive is suitable for use as an adhesive between AAC elements.

4. General Performance Guidelines:

Weather	Excellent weather resistance.
Temperature	Performs well after hydration in temperatures from – 4 to 60°C.
Abrasion	Excellent resistance to abrasion after full curing.
Solvents	Sensitive to exposed aromatic hydrocarbons, acetone and strong solvents.

5. Some Key Properties:

Colour	Off-white.
Mixing Ratio	5L/20 Kg Powder.
Pot Life	5 hours.
Open Time	30 min (@25°C).
Drying Time	24 hours.
Tensile Strength	1.56 MPA (3 days).
Specific Gravity	1.27 Kg/M3 (Bulk).
Shelf life	12 months in unopened, properly stored bags. Once opened the entire contents of the bag should be used immediately.

6. Application Guidelines:

6.1 Euromix™ AAC Surface Preparation

Use a hard brush to remove any loose particles from AAC panel or block. Clean off dust, oil, grease and all loose contaminating materials or coatings. Ensure surfaces are dry with no residue or permanent dampness.

Ensure that the AAC elements have been installed in accordance with the manufacturer's specifications.

6.2 Mixing the Adhesive

1. Add approximately 5L of clean potable water to a clean plastic bucket.
2. Gradually add 20kg of Euromix™ AAC Adhesive to the water whilst mixing on low speed with an electric paddle mixer to disperse the powder into a creamy, lump free consistency.
3. Allow the mix to stand for 3-5 minutes prior to use.
4. Do not remix or add any additives to the mix.
5. Do not reuse any spilled material.

6.3 Application

1. Follow the AAC manufacturers specifications and instructions for installing the AAC.
2. Apply the Euromix™ AAC Adhesive to the horizontal and vertical surfaces of the AAC panel or block with a 6 - 12mm notched trowel.
3. Apply the Euromix™ AAC Adhesive to a maximum of 6 blocks or 1 panel at one time.

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4. Position the AAC panels or blocks by gently using a rubber mallet to secure them into position. Use a spirit level to check the level and alignment of blocks.
5. The thickness of the Euromix™ AAC Adhesive joint should be approximately 2-3mm.
6. The mixed material is useable for up to 5 hours @ 25°C and 50% relative humidity.

6.5 Curing

The Euromix™ AAC Adhesive will cure after 24 hours at 25°C after which it can be over coated with Euromix™ Renders. Do not apply in temperatures below 10°C or above 35°C. Application in conditions below 10°C will extend the drying time whilst application in conditions above 35°C will shorten the drying time and premature curing of the adhesive could result in the adhesive not reaching a full bond.

6.6 Coverage:

Coverage will vary depending on the condition of the surface and site conditions. As a guide, 20kg of Euromix™ AAC Adhesive is sufficient to finish 30-35 lineal metres of joins for a 75mm AAC panel.

6.7 Clean Up:

Tools should be cleaned with water before the Adhesive has cured. Any spillage or splashes should be removed immediately as the Adhesive is extremely difficult to remove once cured and is likely to stain.

Collect waste in containers and dispose of as trade waste in accordance with the site and local authority guidelines. Keep the powdered and cured Adhesive out of sewer or storm water drains.

7. Health & Safety:

Euromix™ AAC Adhesive contains cement which is alkaline in nature and silica which is classified as a carcinogen.

Precautions in Use	The use of gloves, goggles and overalls is recommended when Render is being applied. Work areas should be well ventilated and cleaned regularly by wet sweeping or vacuuming.
Safety & Precautions	The use of gloves and goggles is recommended.
First Aid	If swallowed, drink a glass of water and seek medical advice. If in eyes, flush thoroughly with clean water to flush away any contaminate. If on skin, remove contaminated clothing and wash skin with soap and water. If powder is inhaled, remove person to fresh air.

8. Limitations in Use:

Do not apply in wet conditions or when rain or frost is imminent or in temperatures outside the range of 10°C and 35°C. Substrate moisture must be less than 15%.

Product should not be subjected to hydrostatic pressure, continual or excessive rising damp, movement and vibration.

Do not apply in wet conditions or when rain or frost is imminent or in temperatures outside the range of 10°C and 35°C. Substrate moisture must be less than 15%.

Any building movement that results in visible cracking of the building claddings / linings will also be sufficient to cause cracking of the Adhesive.

Follow the AAC substrate manufacturers specifications and building designers directions for the management of material and building movement.

9. Handling, Storage & Transport:

Handling	Euromix™ AAC Adhesive is supplied in 20Kg bags - recognised local safe lifting methods should be used.
Storage	Store in a secure dry area, protected from sources of excessive heat, frost and moisture.
Shelf Life	Approximately 12 months in unopened bags.

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The information contained in this product data sheet is typical and does not constitute a full specification, as conditions and specific requirements will vary from project to project.

All purchasers and intending users of the products covered in this document must, prior to use, assess and control the risks arising from use of the products, as they relate to their project.

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