



**Euromix™ offers numerous products for use in finishing systems over autoclaved aerated concrete (AAC) panels and blocks.**

## 1. System Scope:

The Euromix™ AAC finishing system summarised here covers;

- Cementing of joints.
- Fixing of PVC trims & angles and fibreglass mesh.
- Application of a base coat of render to a nominal thickness of 4-6mm, with some make-good of variations in level / alignment of substrate, as allowed by the thickness of render being applied.
- Application of a finish coat of render to a nominal thickness of 2-3mm - finished ready for a textured decorative finish (1-1.5mm thickness).

Such a finish will hide most surface imperfections, reduce the impact of minor structural imperfections and misalignment of walls (depending on their severity). This is the minimum finish recommended by Euromix™ for AAC panel wall systems.

Euromix™ Renders are designed for use as a decorative finish. They are not to be used in 'engineered' applications (where special strength, movement, hardness or other performance characteristics are required).

## 2. System Application:

### 2.1 AAC Substrate Preparation:

Ensure that the AAC to be rendered meet all Australian Standards and have been installed and fixed in accordance with the manufacturer's specifications. Some items for consideration include;

- The moisture content of the AAC substrate must be within the manufacturer's guidelines.
- Walls should be straight, flat and plumb - all joints should be structurally sound with face surface levels on each side of the joint aligned.
- Internal and external corners must be constructed so that they are unlikely to move.
- Movement joints must be installed in accordance with the AAC manufacturer's and Building Code of Australia (BCA) guidelines.
- All surfaces to be coated must be clean, dry and free of dust and loose particles by brushing down the surface with a stiff broom.
- Before rendering, all AAC panels should be sealed with 1:1 mix of water and Euromix™ Bond.
- Identify any surface irregularities and determine the method / extent of 'make good'.

- Locate dampcourses – these cannot be bridged by the render finish.
- Mask windows, architectural trim elements, floors and adjacent walling materials using tape, plastic film or similar.

### 2.2. Cementing Joints:

Apply Euromix™ AAC Adhesive to the horizontal and vertical surfaces of the AAC panel or block with a 6-12mm notched trowel - making certain to work on a maximum of 1 panel joint at one time.

Position the AAC panels or blocks by gently using a rubber mallet to secure them into position. Use a spirit level to check alignment and level of panels or blocks. The thickness of the Euromix™ AAC Adhesive joint should be approximately 2-3mm.

Allow 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.

### 2.3 Fixing Fibreglass and PVC Trims:

The use of alkali resistant fibreglass mesh is recommended around areas of walls such as;

- Ends of lintels over doors and windows where a fixed end is detailed.
- Across the sill of windows.
- Across the chases in the wall for services.
- Around external corners at the top of the walls.
- Across joints or the underside of floor, wall and ceiling panels.

The fibreglass mesh should be embedded into a thin layer of the first coat of render. The purpose of the fibreglass mesh is to minimise consequential cracking of the render and not as a reinforcement.

PVC Trims and angles can also be installed with either the Euromix™ Patch Coarse or any of the recommended renders listed below. Fix the PVC Trims into position ensuring they are plumb and straight. Allow 24hrs-curing time before applying any following render coats.

### 2.4 Control Joints:

Control joints are a necessary part of the wall system to ensure the location of possible cracking is controlled, movement isolated and stresses relieved from the wall elements. Render should not be applied over the joints. All joints should be filled with an appropriate flexible sealant that can accommodate the movements and durability for the application of renders.

### 2.5 Base Render Coat:

Euromix™ offers three different render products for this stage;

Product	Description
<b>Euromix® FP Render</b>	A medium grained full polymer render formulated for use as a general-purpose base render.
<b>Euromix® Cream Render</b>	A medium-large grained multi-purpose render that requires the addition of polymer (Euromix™ Bond) in the mixing water.
<b>Euromix® Render</b>	A small-medium grained multi-purpose render that requires the addition of polymer (Euromix™ Bond) in the mixing water.

While each of these renders provide the required appearance, durability and functional performance characteristics, they offer different attributes during application;

Once the patch coat and Euromix™ AAC Adhesive have dried (at least 24 hours in normal conditions), prepare the selected Euromix™ Render product and apply it to a nominal thickness of 4-6mm using a trowel and straight edge to achieve a true and level finish.

Spillage and partially set material should not be re-tempered with water and should be discarded. Tools and equipment should be cleaned with water immediately after use.

Ensure adequate protection from the drying effects of direct sunlight, wind and low humidity or a combination of these elements. Rapid drying of the surface can cause cracking and result in a low strength / friable render. Do not apply Euromix™ Renders when conditions will be above 35°C (especially if windy), nor where the temperature is below 5°C or where the chill factor is high.

Ensure that the curing render is protected from rain, extreme frosts and other sources of excess moisture (e.g. overflowing gutters and down pipes).

## 2.6 Finishing Render Coat:

Once the base render coat has dried (at least 24 hours in normal conditions), prepare Euromix™ Render or Euromix™ Cream (with a gauge of 1-part bond to 18 parts water). If using Euromix™ FP, mix with water only and apply it to a nominal thickness of 2-3mm, followed by a float finish ready for an acrylic Texture finish. Alternatively, if a smooth sponge finish is specified, apply one final coat of Euromix™ Skim Coat mixed with some Euromix™ Bond (1-part bond to 18 parts water) – followed by a float and sponge finish ready for painting.

## 2.7 Texture Coat:

Euromix™ offers three (3) different texture products for this stage, all can be tinted to the owner's selected colour;

Product	Description
<b>Euromix™ Sandstone</b>	A medium build texture that mimics the look of cut sandstone with a subtle sparkle.
<b>Euromix™ Sand Finish</b>	A high build texture that mimics the look of rough-cut sandstone.
<b>Euromix™ Quartz</b>	A coarse texture that mimics the look of a rough-cut sandstone with an attractive sparkle.

Before applying the chosen texture (one coat), prime the surface with Euromix® Acrylic Primer and allow it to dry (min 4 hours).

## 2.8 Paint Coats / Optional:

The finished colour of the texture and the durability of the finish can be enhanced by applying two coats of any good elastomeric membrane paint (tinted to the desired colour). Allow 24 hours for the texture coat to dry.

## 3. Product Specific Guidelines:

The instructions for the preparation and application of each Euromix™ product detailed above can be found in the relevant Product Data Sheet.

## 4. Colours:

Customers choosing to have their Euromix™ Texture material tinted, must specify a 'Standard Colour' from a current colour chart from any major paint manufacturers within Australia.

Euromix™ may supply 'wet' samples tinted to the specified colour to assist in determining colour selection. This sample should be applied by the texture coat applicator on selected trial areas on the proposed project.

## 5. Limitations in Use:

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

Euromix™ coatings are designed for use as decorative finishes; they are not meant to be used in applications where special strength, movement, hardness or other performance characteristics are required.

Any building movement that results in visible cracking of the building elements (walling, claddings, linings, etc.), will also be sufficient to cause cracking of the decorative finish. This is the case for both potential new and pre-existing building movement cracking.

Decorative render systems such as Euromix™ Render and Euromix™ Texture Coat Systems, will not hide cracking caused by structural movement and/or shrinkage, or expansion of substrates caused by temperature and moisture associated movement.

Euromix™ strongly recommends that Euromix™ products be applied by building contractors and trades people with the appropriate skill, knowledge and experience to carry out the relevant works.

Euromix Pty Ltd will not accept responsibility for misuse of any of its products discussed in this document.

*The information contained in this product guide 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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