

Euromix™ WALSC Nasahi Wall Finishing System



Euromix™ offers numerous products for use in finishing systems over autoclaved aerated WALSC foam wall panels and blocks such as from WALSC Nasahi.

1. System Scope:

The Euromix™ WALSC AAC Wall 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.
- Textured decorative finish (painting optional).

Such a finish will hide most surface imperfections and reduce the impact of minor structural imperfections and misalignment of walls, depending on their severity. This is the minimum finish recommended by Euromix™ for Foamed WALSC Wall System.

Euromix™ Renders are designed for use as decorative finishes. 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 WALSC Foam Wall Substrate Preparation:

Ensure that all elements to be rendered have been constructed and fixed in accordance with the project plans/specifications and the Foamed WALSC Wall manufacturer's recommendations. Some items for consideration include;

- The moisture content of the Foamed WALSC Wall substrate must be within the manufacturers' guidelines.
- Walls should be straight, flat and plumb - all joints should be structurally sound with face surface levels on each side of the join aligned.
- Internal and external corners must be constructed so that they are unlikely to move.

- Movement joints must be installed in accordance with the Foamed WALSC Wall manufacturer's and the 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 Foamed WALSC Wall 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 Foamed WALSC Wall panel with a 6 - 12mm notched trowel, making certain to work on a maximum of 1 panel joint at one time.

Position the Foamed WALSC Wall panels by gently using a rubber mallet to secure them into position. Use a spirit level to check the alignment and level of the Foamed WALSC Wall panels. 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 Euromix™ Patch Coarse or with Euromix™ Full Polymer Render. Fix the PVC Trims into position ensuring they are plumb and straight. Allow at least 24hrs-curing time before applying any following render (or other) coatings.

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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 Coating:

Euromix™ Full Polymer Render can be used for the base render coat.

| Product | Description |
|---------------------------|---|
| Euromix™ FP Render | A medium grained full polymer render formulated for use as a general-purpose base render. |

Prepare the Euromix™ Full Polymer Render base coat and apply it 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 of Euromix™ Full Polymer Render has dried (at least 24 hours in normal conditions), prepare a second mix of Euromix™ Full Polymer Render. Apply it to a nominal thickness of 2-3mm using a trowel and then finish with a polystyrene float ready for a trowelled-on acrylic texture or painted finish.

2.7 Texture Coat:

Euromix™ offers a texture product option which can be paint-finished in the owner's selected colour of choice.

| Product | Description |
|-----------------------------|---|
| Euromix™ Sand Finish | A high build texture that mimics the look of rough-cut sandstone. |

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

2.8 Paint Coats:

The durability of the finish will be enhanced by applying two coats of any good elastomeric membrane paint. Allow 24 hours for texture coat to dry before painting.

3. Product Specific Guidelines:

The instructions for the preparation and application of each of the Euromix™ products detailed above can be found in the relevant Product Data Sheet which is available on the Euromix™ website www.euromix.com.au.

4. 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 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™ products must 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.

For further information please contact Euromix Pty Ltd via the contact details listed below;

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