



Euromix™ polymer enhanced cement renders and full polymer textures are formulated to provide weather resistant, decorative finishes over fibre cement (FC) covered permanent formwork walling systems.

1. Finishing System Summary:

There are several rendering systems recommended by Euromix for finishing over fibre cement (FC) lined permanent formwork systems, like Ritek® (registered to James Hardie) and AFS Logicwall® (registered to CSR).

These render, texture and paint finishing systems have been designed, and; should be applied in such a way as; to;

- Minimise the appearance of minor structural imperfections, misalignment of walls, etc.
- Provide a render/texture finish that is sufficiently thick/strong to be resistant to impact forces.

The key components of such systems are summarised as;

- Substrate preparation setting of sheet joints.
- Fixing of PVC trims.
- Base render coat.
- Finishing render coat.
- Texture coat.
- Paint coat - optional.

The alternative paths to achieving the desired finish are summarised in the following document.

2. System Outline:

2.1 Substrate Preparation:

Ensure that all elements to be rendered have been constructed and fixed in accordance with the project plans and specifications and the formwork system manufacturer's recommendations – key items include:

- The concrete strength and moisture content of the finished AFS panel must be within the manufacturer's guidelines.
- Walls should be straight, flat and plumb - all panel joints should be structurally sound with face surface levels on each side of the joint aligned.
- Internal and external corners should be 'true' and well constructed (unlikely to move or otherwise come apart).
- Identify any areas of substrate that are affected by dust, loose / friable material or adhesion inhibiting

materials and concrete splatter – remove or otherwise 'make-good' these contaminants.

- Identify areas where walls are not straight or where joints between floors are not flush – obtain agreement from project manager on treatment of such areas
- Locate expansion joints and damp courses and ensure that they are to manufacturer's specification, agree the rendering treatment for these with the project manager, these cannot be bridged by the render finish.
- Agree the treatment of floor / floor junctions, these are probable sources of cracking and may be treated as expansion joints.
- Mask windows, doors, roofing, flooring and other building elements to protect them.

2.2 FC Sheet Joints:

Sheet joints must be finished in accordance with the instructions detailed in the Euromix® Patch Coarse literature. The key steps are summarised here;

- Evenly fill the joints using Euromix Patch Coarse, mixed with @ 10% cement and then embed 55mm wide alkali resistant fibreglass (FG) mesh tape (non-adhesive) into the Patch; making certain that there is adequate Patch material below and above the mesh. Once the mesh tape has been embedded apply a skim coat of Patch to finish off flush with the surface of the FC sheet.
- Lay Patch Coarse into internal corners and bed 55mm or 100mm wide FG mesh tape into the corner. Apply a skim coat of Patch to finish off flush with the surface of the FC sheet.
- Ensure that excess compound is removed from all edges while material is still wet.

Allow at least 24hrs-curing time for the Patch Coarse joints (fixings where coated) before applying any other coating.

2.3 Fix PVC Corners & Trims:

Where specified, PVC corners/trims should be installed using Patch Coarse, ensuring that they are plumb and aligned with the appropriate sheet surface.

Once the Trims have been embedded in the Patch Coarse, apply a skim coat of Patch Coarse to finish off flush with the surface of the FC Sheet.

2.4 Base Render Coat:

Euromix offers four different render products for this stage;

Product	Description
Euromix™ FP Render	A medium grained full polymer render formulated for use as a general purpose base render.
Euromix™ NPS Base Render	A medium grained high polymer strength render formulated for use as a base render for low porosity substrates, like FC.
Euromix™ Cream Render	A medium – large grained multipurpose render that requires the addition of polymer (Euromix Bond), in the mixing water.
Euromix™ Render	A small - medium grained multipurpose render that requires the addition of polymer (Euromix Bond), in the mixing water.

Euromix FP and NPS Renders are both ‘full polymer’ renders that are designed for substrates, like FC, that require higher levels of adhesion. They are mixed with water only.

Euromix Render and Cream Render require additional polymer, introduced, via Euromix™ Bond, in the mixing water, before they can be applied over FC. The dosing rate for these renders is 1 part Euromix Bond to 4 parts water.

Once the Patch Coarse has dried (at least 24 hours in normal conditions) prepare the selected Euromix Render product and apply it a nominal thickness of 3-5mm, using a trowel and straight edge to achieve true and level finish.

The renderer should make certain he has the correct instructions from the project manager as regards to the treatment of movement joints and dampcourses.

2.5 Finishing Render Coat:

Once the base render coat has dried (at least 24 hours in normal conditions), prepare Euromix™ Render or Cream with a gauge of 1 part Bond to 18 parts water, then apply this to a nominal thickness of 2mm, using a trowel and straight edge to achieve a true and level finish.

We recommend using a Euromix Texture Coating over blue board fibre cement sheeting once completed to add further flexibility and a protective coating to the substrate.

Optional: Euromix™ Skim Render can be sponge finished after floating and made ready for the application of two coats of Euromix™ Euroflex Paint, or other alternative elastomeric membrane paint.

2.6 Texture Coat:

Euromix offers four (4) different texture products for this stage; a fine, medium, coarse, and extra coarse. All are designed to provide an attractive sparkle effect appearance, that offers a durable, flexible and water repellent decorative finishing coating with excellent coverage over Euromix™ Renders and other substrates. Please visit our [Euromix website](#) for further information on our texture coatings.

Before applying the chosen texture, prime the surface with Euromix™ Acrylic Primer, which should be tinted to match the colour of the texture. Allow the primer to dry for a minimum 4 hours before top coating.

The texture is towelled on to the finished render substrate and then finished with a plastic finishing trowel applied in a circular motion, to achieve an even textured appearance.

Allow a minimum 24 hours for the texture to dry before applying paint.

2.7 Paint Coats

The finished colour of the texture and the durability of the finish can be enhanced by applying two coats of Euromix™ Euroflex, tinted to the desired colour, with a roller or brush over the cured Euromix texture, ensuring that single wall elements are covered in the same process (‘day joints’ should occur at corners or other break in line of sight).

Allow 24 hours between the coats of Euroflex.

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

Please read these data sheets and ensure that the products are used in accordance with the recommendations.

4. Curing:

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 and/or texture coatings.

Do not apply Euromix Render or Textures when conditions will be above 35°C, especially if windy, nor where the temperature is below 10°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).

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 texture coat systems, will not hide cracking caused by structural movement and or shrinkage, or expansion of substrates caused by temperature and moisture effects.

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 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 via the contact details listed below;

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3. Product Specific Guidelines:

System Application Guide (SAG/AFS/JUL23)

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