Euromix™ FC Finishing System

Euromix™ polymer modified cement renders and full polymer textures are formulated to provide weather resistant, decorative finishes over most building material substrates, including Fibre Cement (blueboard) sheeting (FC).

1. Finishing System Summary:

Euromix™ recommends that any render, texture and paint finishing system applied over fibre cement (FC) walling, should be designed and applied in such a way as to;

- Hide most sheet surface imperfections.
- 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 while still being able to flex with the FC sheets and structure.

There are several Euromix™ products that can be applied in a number of different systems to achieve the above finish.

The key components of such systems are summarised as;

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

The alternative paths to achieve 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, specifications and the FC sheet manufacturer's recommendations. Items to be considered include:

- FC Sheets should be fully dry and fixed using the correct size, number and location of fasteners - particularly at joints between sheets and corners as recommended by the FC manufacturer.
- Identify any areas of the substrate affected by dust, loose material or adhesion inhibiting materials - remove or 'make-good'.
- Locate expansion joints and dampcourses and ensure they are as per the manufacturer's specification. Agree the rendering treatment for these with the project manager - these cannot be bridged by the render finish.
- Agree on the treatment of floor junctions - since these are probable sources of cracking and moisture penetration - PVC starting strips would be a good solution.
- 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 Product Data Sheet. The key steps are summarised here;

- Evenly fill the joints using Euromix™ Patch Coarse mixed with 10% cement. Then embed a 55mm wide alkali resistant fibreglass (FG) mesh tape into the patch making certain there is adequate patch below and above the mesh. ***Note: Do not use self-adhesive fibreglass tapes.*** Once the mesh tape has been embedded, finish off flush with the surface of the FC sheet.
- Lay Euromix™ Patch Coarse into internal corners and bed a 100mm wide alkali resistant FG mesh tape into the corner. Apply a skim coat of Euromix™ Patch Coarse to finish off flush with the surface of the FC sheet.
- Work on joints and corners progressively, ensuring the patch bedding does not set before the fiberglass tape is embedded. Apply a skim coat of Euromix™ Patch Coarse over all fixings – ensuring a smooth finish.
- Ensure that excess compound is removed from all edges while material is still wet.

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

2.3 Fix PVC Corners & Trims:

Lay Euromix™ Patch Coarse into the corners and/or onto the FC Sheet faces and then fix the required PVC elements into position. Ensure that they are plumb and aligned with the appropriate sheet surface (positive fasteners may be required to ensure the corners/trims stay in place while the Euromix™ Patch Coarse is applied).

Once the Trims have been embedded in the Euromix™Patch Coarse, apply a skim coat of Euromix™ 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 multi-purpose render that requires the addition Euromix™ Bond (at 1:4 ratio for first coat).
Euromix™ Render	A small-medium grained multi-purpose render that requires the addition of Euromix™ Bond (at 1:4 ratio for first coat).

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Euromix™ FP and Euromix™ NPS Keycoat Render are 'full polymer' renders designed for substrates such as FC which require higher levels of adhesion. Both these renders are mixed with water only.

Euromix™ Render and Euromix™ Cream Render require the addition of Euromix™ Bond in the mixing water before applying over the FC (1-part Euromix™ Bond to 4 parts water).

Once the Euromix™ Patch Coarse has dried (at least 24 hours in normal conditions), prepare the selected Euromix™ Render product. Apply it to a nominal thickness of 4-6mm 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 in 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 Euromix™ Cream (with a gauge of 1-part Euromix™ Bond to 18 parts water). Apply this to a nominal thickness of 2mm using a trowel and finish to a smooth float finish.

- We recommend using a Euromix™ Texture Coating over blueboard fibre cement sheeting once render is completed to add further flexibility and a protective coating to the substrate.
- ***Optional:*** When a sponge finish is specified, Euromix™ Skim Coat Render can be sponge finished after floating - made ready for the application of two coats of a good 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, water repellent decorative finishing coat with excellent coverage over Euromix™ Renders and other substrates. Please visit our website www.euromix.com.au for further information on our texture coatings.

Before applying the chosen texture, prime the surface with the 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 trowelled onto the finished render substrate and 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 a good elastomeric membrane paint (tinted to the desired colour) 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).

3. Product Specific Guidelines:

The instructions for the preparation and application of each of the Euromix™ product 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, 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 Euromix™ Texture when conditions will be above 35°C (especially if windy), when 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 resulting 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 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 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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