



Euromix™ offers a wide range of different render and texture solutions for finishing over grooved (NRG Greenboard) polystyrene (EPS) walling systems.

1. Finishing System Summary:

Euromix recommends that any render, texture and paint finishing system applied over expanded polystyrene (EPS) 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 EPS.

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

The key components of such systems are summarised as;

- Substrate preparation, patching & fixing of trims.
- Bedding render coat.
- 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 & Patching:

Ensure that all elements to be rendered have been constructed and fixed in accordance with the project plans and specifications and the EPS sheet manufacturer's recommendations - items to be considered include:

- EPS Sheets should be fixed using the correct size, number and location of fasteners / washers recommended by the EPS manufacturer.
- All EPS sheet 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 surface irregularities in the EPS sheet alignment and agree the method and extent of any 'make good' with the project manager. Apply Euromix Patch Coarse where required.

- Identify any areas of substrate that are affected by dust, loose / friable material or adhesion inhibiting materials – remove or otherwise 'make-good' these contaminants.
- Locate expansion joints and control joints and agree the rendering treatment for these with the project manager.
- Locate any damp courses; these cannot be bridged by the render finish. Ensure the treatment of these is agreed with the project manager.
- 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 and to reduce clean up time.

2.2 Fix PVC Corners & Trims:

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

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 EPS Sheet.

2.3 Bedding 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 at 1:4 ratio for first coat)
Euromix™ Render	A small - medium grained multipurpose render that requires the addition of polymer (Euromix Bond at 1:4 ratio for first coat)

Note: Before applying any coatings, ensure that the surface contains not more than 15% moisture.

Apply a first coat of your chosen Euromix Render to a minimum thickness of 2mm with hawk & trowel. While this coat is wet, trowel in a continuous layer of alkali resistant fibreglass mesh (use 1.0M or 1.2M wide sheet) taking care to leave a 50mm overlap wherever the mesh joins.

Make sure all necessary preformed expansion or movement relief joints are put in place. An alternative approach to the use of preformed expansion joints is to cut joints after rendering (using an appropriate saw or disc grinder). The renderer should make certain he has the correct instructions from the builder, architect or engineer etc. as regards to the type and placement of these joints.

2.4 Base Render Coat:

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

It is important that coverage of at least 6mm (total thickness including bedding coat) is achieved over the EPS substrate (especially the joins, areas of make-good and over ground floors walls).

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.

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.

Please read these separate guidelines and ensure that the products are used in accordance with the recommendations.

4. Colours:

Where customers choose to have their Euromix Texture material tinted, they must specify a 'Standard Colour' from a current colour chart for any of the major paint manufacturers.

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

Sample boards should be prepared where trial on-site is not possible. This is a less desirable approach, as it is not possible to replicate the expected site scale, lighting and other conditions.

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 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 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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