



Euromix offers numerous products for use in finishing systems over all types of masonry substrates (Bricks, blocks, concrete, etc)

1. System Scope:

The Euromix Masonry system summarised here covers;

- Substrate preparation
- Fixing of PVC trims & angles, cutting of joints, etc.
- Application of Euromix Renders, to a nominal thickness of 6/8mm, to level and make good some variations and irregularities in level / alignment of substrate, as allowed by the thickness of render being applied, to achieve a high-quality surface on absorbent masonry substrates.
- Application of a finish coat of render, to a nominal thickness of 2-3mm, finished to afloat finish ready for a textured decorative finish (from 0,4mm to 1.2mm thickness).
- Application of Euromix Acrylic Primer, prior to application of Texture coating finishes.
- As the majority of renders can produce shrinkage cracking while they are drying and curing the application of a Texture coating finish will always give you an extra flexible coating that will bridge and stop most of the hairline cracking.
- Depending on where the location of the project and knowing that most of projects are either located near the ocean, busy roads, etc, it is our recommendation the use of Euromix Flex Elastomeric Membrane Paint top coat, to take care of continuously thermal changes (expansion and contraction), protect from the effects of pollutants, salt air, dirt accumulation, etc. This will also help in the maintenance and longer life of the coatings, since it can be washed over a few times a year.

- As another option for the render finish, when not texture coating is applied, we recommend the application of a finish coat of Skim, to achieve a fine sponge finish ready for painting. We recommend to always Euromix or similar good elastomeric membrane paint.

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

2. System Application:

2.1 Masonry Substrate Preparation: Bricks & Blocks

Ensure that all elements to be rendered have been constructed and fixed in accordance with the project plans, built within acceptable building Tolerances and manufacturer's recommendations. Some items for consideration include;

- The type of bricks to be rendered, since they come in many types: glazed, unglazed, raked, flush, solids, schooners, etc.
- Walls should be straight, flat, and plumb, structurally sound and good enough to be rendered.
- Walls should be prepared and cleaned from any loose mortar, efflorescence from brick joints mortar, and give a good power washing throughout.
- Movement joints must be installed in accordance with building guidelines and Building Code of Australia (BCA) guidelines.
- All surfaces of masonry walling to be coated must be clean, dry, free from any material that may inhibit adhesion and with a moisture content below 15%.
- Identify any surface irregularities and surface imperfections. If major imperfections or cracks, determine the best method / extent of 'make good' involved and the possibility of using fibre reinforce mesh.
- Locate damp courses – these should not be bridged by the render finish.
- Mask windows and architectural trim elements, floors and adjacent walling materials using tape, plastic film or similar.

2.2. Concrete slabs, walls, etc

After all the required preparation is done, in the rest of the masonry areas, making sure that all concrete is thoroughly cleaned and washed, allow to dry, and apply a first coat of Either Euromix Patch coarse or a scratch coat of Euromix NPS Base and key coat render, for better adhesion. Allow to dry for 24 hours.

2.3 Fixing Fibreglass and PVC Moulds/Trims:

Where the specification calls for PVC angles/trims or other type of angles, lay a bed of Euromix™ Render over the surface of the masonry walls, window, doors, etc and fix the required PVC Trims into position, ensuring that they are plumb and aligned with the required thickness of render necessary to make walls straight.

In areas where the walls call for the use of fibreglass mesh (ex. In areas where cracks are apparent, round walls built with block work, etc.) apply a 2mm bed of Euromix Patch Coarse and render, then make certain that the fibreglass is fully embedded in the mix (covered above and below).

Work on angles/trims/mesh progressively to ensure that the bedding coat does not set before all are in the right position. Allow angles to fully set before commencing of any rendering works.

2.4 Base Render Coating:

Euromix offers four different render products that can be used for the base render coat. While each of these four renders will provide the required appearance, durability and functional performance characteristics they offer different attributes during application;

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 experience and many years of tradesmen feedback suggests that the two ‘full polymer’ renders (FP Render and NPS Base Render) offer higher levels of confidence for the project manager (that the correct polymer content has been used for the application).

Nevertheless, Euromix Cream render & Euromix Render, mixed with the different ratios of Euromix Bond, depending on type of substrate, is one of the more commonly used in this type of masonry render works.

Prepare the selected Euromix Render product and then apply over the entire areas of masonry walls to be rendered to a nominal thickness of 6-8mm, using a trowel and straight edge or English feather, 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).

In situations where render thicknesses need to be greater than 12mm, Euromix recommends the use of Euromix HB Light weight render as a base coat.

2.5 Finishing Render Coat:

Once the base render coat has dried (at least 24 hours in normal conditions) prepare Euromix™ Skim Coat or Render with a gauge of 1 part Bond to 18 parts water then apply this to a nominal thickness of 2/3mm, using a trowel and finished to a smooth float finish, for the application of Euromix Texture coating finish or painted finish (see Section 2.6 & 2.7).

Alternatively the Skim Render can be sponge finished after floating and made ready for the application of two coats of Euromix™ Euroflex 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 a elastomeric membrane paint, that can be tinted to the desired colour (allow 24/48 hours for the texture coat to dry, prior to the application of a Paint Coating).

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.

4. Colours:

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

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 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.

Euromix™ offer Acrylic Render Systems for all substrates including Fibre-Cement (FC) Blue Board, AAC / Hebel, PVC (Dincel), AFS Ritek, Masonry, and Polystyrene (EPS).

Contact us for more information on a Euromix Systems Guide for your next substrate.

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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