

# Euromix® Patch Coarse

**Euromix® Patch Coarse is a pre mixed water based polymer render that is suitable for use as a patching compound, render or jointing material.**

## 1. Product Summary:

**Euromix® Patch Coarse** a pre-mixed, water based polymer render and patching compound. It is ideal as a jointing compound for fibre cement (fc) and other sheet materials.

Patch Coarse can also be used successfully as a thin coat Polymer Render or patching material over most substrate in place of render - up to a maximum of 2mm depth.

Used with Euromix® Patch Coarse (the top coat), it provides a strong but flexible, jointing system that is suitable for many render, paint and texture coat finishes.

Can be applied in both interior & exterior applications (when modified by the addition of 10% Portland Cement – by weight).

<b>Product Name</b>	Euromix® Patch Coarse
<b>Code</b>	EMPC
<b>Packaging</b>	15, 10 & 5 litre plastic buckets.
<b>Appearance</b>	In the bucket the material appears as a wet, light blue / grey sandy material. When finished, in most circumstances it appears as a grey cement coloured medium textured render.

## 2. Product Features:

- Being water based, Patch Coarse is easy to clean up.
- The selected workability additives and Coarse-grained fillers used in Patch Coarse mean that it can be applied quickly and is ideal in situations where the edges of the material need to be feathered (as with joint and corner treatments).
- Patch Coarse can be floated to achieve a smooth set finish.
- When mixed with cement Patch Coarse is suitable for external applications.

## 3. Typical Uses:

Patch Coarse can be applied over most wall and ceiling substrates:

Material	General Use	Jointing
Concrete	✓	N/A
Brick	N/A	N/A
AAC	N/A	N/A
FC Sheet	✓	✓
EPS Sheet	✓	✓
Render	✓	N/A
Painted Surfaces	✓	N/A

## 4. General Performance Guidelines:

<b>Weather</b>	Excellent weather resistance when mixed with cement and top coated
<b>Water</b>	Resists rain and condensation when cured and / or when top coated.
<b>Temperature</b>	Up to 60C
<b>Abrasion</b>	Resists abrasion when top coated.
<b>Solvents</b>	Sensitive to prolonged exposure to alcohol, acetone and strong solvents. Resists salt spray when top coated.

## 5. Some Key Properties:

Bulk Density	Contact our office.
Specific Gravity	Contact our office.
Bond Strength	Contact our office.
Compressive Strength	Contact our office.
Coverage	As a patching compound allow 1.0 Kg / SQM / 1mm thickness.
Abrasion resistance	High - cannot be sanded.
Shelf life	12 months in unopened buckets. Must be used within 1 hour after opening and adding cement.

## 6. Application Guidelines:

### 6.1 As a Sheet Jointing Material:

1. Make certain that fibre cement (FC) sheets and other sheet materials are fixed in accordance with the manufacturer's specifications and that all surfaces to be patched, and / or coated, are clean and free of any adhesion inhibiting substances. Particular attention should be given to sheet layout and the location of control joints.
2. Evenly fill joints using Euromix® Patch Coarse, mixed with 5 to 10% cement. This can be achieved by mixing the cement with water to form a 'firm slurry'. This slurry can then be mixed with the Patch in a separate container, as once the cement is added the Patch must be used within @ 3 hours.
3. Lay 55mm wide alkali resistant fibreglass mesh tape into the joints; making certain that there is adequate Patch Coarse material below as well as above the mesh. Do not use self-adhesive fibreglass tapes with Euromix® Renders & Patching compounds.
4. Once the mesh tape has been embedded apply a skim coat of Patch Coarse to finish off flush with the surface of the sheet substrate.
5. Lay Patch Coarse into external corner recesses and fix PVC / fibreglass mesh corners, ensuring that they are plumb (positive fasteners may be required).

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## Product Data Sheet (PDS/PATCHC/MAR15)

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- Once the external corners have been embedded in the Patch Coarse, apply a skim coat of Patch Coarse to finish off flush with the surface of the sheet substrate.
- Lay Patch Coarse into corners and bed 55mm or 100mm wide alkali resistant fibreglass mesh tape into the corner.
- Once the fibreglass internal corners have been embedded in the Patch Coarse, apply a skim coat of Patch Coarse to finish off flush with the surface of the sheet substrate.
- Work on joints and corners progressively, to ensure that the Patch Coarse bedding coat does not set before the skim coat of Patch Coarse is applied.
- If using 'high-build' coatings or paints, directly over the sheet substrate, then apply a skim coat of Patch Coarse over all fixings, ensuring a smooth finish. Patching of fixings is not required where render is to be applied over the surface of the sheet substrate.
- Make sure that any excess compound is removed from all edges, while the material is still wet. Note: Euromix® Patch Coarse cannot be sanded after setting.
- Allow at least 24hrs-curing time for Patch Coarse joints (and fixings where coated), before applying any other coating (cold and / or damp weather may extend the curing time, for the Patch Coarse past the normal 24hrs).

### For Low Build Finishes

- After the Euromix® Patch Coarse has cured, apply Euromix® Patch Fine as a topcoat, over all joints and fixing points. For external applications it is mandatory that 10% cement be added to the Patch Fine before it is applied. Note: Follow the instructions detailed in Step 2 above, for adding cement.
- Apply a second coat of Patch Fine when the first coat is dry - feather the edges and trowel as smooth as possible.
- Sand-off all joints and fixings, when dry - clean all surfaces, leaving them ready for the final coating.
- Apply a suitable primer, like Euromix® Primer, before applying the final coating.

*Note: It is highly likely that Patched joints and fixing points, finished as described here, will still be visible through 'low-build' coatings and paints.*

### For High Build Finishes

- After the Patch Coarse has cured, apply a 'scratch' coat (1 to 2mm thickness) of Euromix® Render to the entire surface. Refer to the relevant Render PDS for instructions on applying render to the sheeting.
- When the 'scratch' coat of render has dried, apply a second coat of Euromix® Render to required thickness, ensuring the surface is true and plumb before troweling and floating smooth, making it ready for the application of high build finish or sponge finish the render, making it ready for painting.

- Apply a suitable primer, like Euromix® Primer, before applying the final coating.

### 6.2 As a Render Material:

Ensure that alkaline surfaces (like concrete and site mixed render) have cured for twenty-eight (28) days minimum and that all surfaces are sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion.

It is recommended that the Patch Coarse be thoroughly stirred in the bucket, using a power stirrer, prior to application.

Trowel the Patch Coarse on to the surface of the substrate, to 1 to 2mm thickness and then flatten with a plastic finishing trowel applied in a circular motion, to achieve an even textured appearance.

It is imperative that a 'wet-edge' is maintained while applying the Patch. It is also important to ensure that the material is not over worked as this will likely result in a patchy finish.

Avoid applying Euromix® Patch Coarse in windy conditions or in temperatures outside the range 10°C to 30°C. Keep newly coated areas protected from rain and moisture for at least twelve (12) hours, longer in the lower temperature range. Do not apply if rain or frost is imminent or possible before the product has properly dried.

Rendering over wet or damp substrates will most often result in some form of failure, including possible delamination and peeling.

Where rain is likely after the application of Euromix® Patch Coarse, it is required that the coating be shielded from moisture getting onto the finished surface and into the substrate as well, for at least 24 hours. Exposure to rain is not the only issue, run-off or wind driven moisture can also cause coating failure!

Render thicknesses greater than 1 to 2.0mm can be achieved by applying multiple layers of Patch Coarse, ensuring that sufficient curing time is allowed between coats (generally twenty four (24) hours). For thicknesses greater than 2mm it may be more effective to use Euromix® Acrylic Render.

### 6.3 Coverage:

Allow @ 1 kg / SQM, at a thickness of 1mm, when applied as a topping compound (average coverage per 15 L bucket is 25 to 30 SQM). Allow 0.25kg per / Lineal Metre when applied as a jointing material (96 lineal meters per 15 Litre bucket). Coverage is variable, dependent upon type, texture and porosity of the substrate and the application technique.

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## 6.4 Drying and Curing

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide (at 25C & 50% RH):

Touch Dry	Thirty (30) - sixty (60) minutes, depending on thickness.
Recoat	Twenty four (24) hours

## 6.5 Clean Up:

Sensitive areas such as carpets and porous surfaces should be protected against spills and splashes. Clean before product sets. Clean up with water. Do not let material enter drains.

## 7. Health & Safety:

For full safety data refer to the products Material Safety Data Sheet. The following information is a guide only:

Precautions in Use	The use of gloves, goggles and overalls is recommended when Euromix® Patch Coarse is being applied.
Safety & Precautions	The use of gloves and goggles is recommended. Protect eyes as grit in product may scratch and irritate.
First Aid	If swallowed give glass of water to drink and seek medical advice. If in eyes flush thoroughly with clean water, holding lid open to ensure any trapped product maybe flushed away. If on skin, remove contaminated clothing and wash skin with soap and water. If inhaled, unlikely due to consistency of product, remove person to fresh air.

## 8. Limitations in Use:

Do not apply Patch Coarse in wet conditions or when rain is imminent or in temperatures outside the range of 10C and 35C. Substrate moisture must be less than 15%.

Do not apply if rain or frost is imminent and protect from rain during the products curing period.

The material should not be subjected to hydrostatic pressure, continual or excessive rising damp, movement and vibration.

### 8.1 Movement in Buildings:

Movements in buildings and within / between the materials that they are constructed with, are commonplace (causes include foundation settlement, seismic displacement and behaviour of materials in relation to changes in temperature or moisture content).

These movements usually result in visible cracking of the building claddings / linings (as well as other potentially more damaging modes of failure).

Sound building design and construction methods recognise the likelihood of structural and material movements and allow for them to be managed through the placement of control joints (often called expansion joints) and the use of design features that hide or may even highlight these control joints or the areas where cracking is likely to occur. Any building movement that results in visible cracking of the building claddings / linings 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.

Euromix® Architectural Finish products will not hide cracking caused by structural movement and / or shrinkage / expansion of substrates and may themselves be damaged by such cracking.

Follow the substrate manufacturer's specifications for the management of material and building movement.

## 9. Handling, Storage & Transport:

Handling	Euromix® Patch Coarse is supplied in 5, 10 and 15 litre plastic drums - recognised local safe lifting methods should be used. Store in a cool / dry area. Protect product from excessive heat, frost, moisture and container damage. Do not let product freeze.
Storage	Approximately 6 months in unopened containers.
Shelf Life	

## 10. Contact Point:

Supplier	Euroset Manufacturing Pty Ltd
Address	13 / 65 Elizabeth Street Wetherill Park NSW 2164
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*The information contained in this product data sheet 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.*

*It is recommended that the products covered in this document be applied by building contractors and trades people with the appropriate skill, knowledge and experience to carry out those works, as may be necessary to meet the requirements of the project.*

*For further information please contact Euroset, via the contact details listed above.*