

Euromix® Patch Fine

Euromix® Patch Fine is a water based, fine build, topping and patching compound, suitable for use over most building substrates.

1. Product Summary:

Euromix® Patch Fine provides a strong but flexible, jointing system that is suitable for many render, paint and texture coat finishes over fibre cement and other sheet materials.

Also used for rectification work, facing-up and general preparation of many substrates, where a smooth, fine topcoat finish is required.

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

Particularly suitable for *levelling* minor surface imperfections, filling cracks, holes, blowholes and other irregularities in concrete – up to a maximum of 2mm depth.

Product Name	Euromix® Patch Fine
Code	EMPF
Packaging	15, 10 & 5 litre plastic buckets.
Appearance	In the bucket the material appears as a wet, white, fine grained plaster looking material. When finished, in most circumstances it appears as an off-white fine set finish.

2. Product Features:

- Being water based, Patch Fine is easy to clean up.
- The selected workability additives and fine-grained fillers used in Patch Fine 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 Fine can be sanded to achieve smooth set finish, making it ideal for sheet material jointing.
- When mixed with cement Patch Fine is suitable for external applications.

3. Typical Uses:

Patch Fine 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:

Weather	Excellent weather resistance when mixed with cement and top coated
Water	Resists rain and condensation when cured and / or when top coated.
Temperature	Up to 60C
Abrasion	Resists abrasion when top coated.
Solvents	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 topping compound for the Euromix Jointing System (based on an average width of joint of 50mm) allow 0.10 Kg / Lineal Metre (@150 LM per 15 litre bucket).
Abrasion resistance	High - can be sanded before full curing.
Shelf life	12 months in unopened buckets. Must be used within 1 hour after opening and adding cement.

6. Application Guidelines:

6.1 General Preparation:

Substrate surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion. Substrate structure, sheeting / framing and general construction detail / execution must be in accordance with the relevant manufacturer's specifications and sound building practice.

When applied over sheet substrates, it is important that the manufacturer's specifications have been followed – check if the use of primer (to reduce absorbency) is recommended.

For external applications it is mandatory that 10%, by volume, Portland cement be added to the Euromix® Patch Fine. This should be done in small increments, in a separate bucket. Use mechanical stirring to ensure a smooth homogenous mix. The addition of cement will decrease flexibility and may not be suitable for all applications. Only mix enough material that can be reasonably applied within 1 hour.

Do not apply if rain or frost is imminent – the material must fully cure before being exposed to rain, condensation or other sources of moisture.

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6.2 Use in Euromix® Patch Jointing System:

It is recommended that Euromix® Patch Fine be used to overcoat Euromix® Patch Coarse in situations where a smoother finish is required, particularly where a paint only finish is required. Here, the joint should be finished as described below:

Joints: Trowel Euromix® Patch Coarse into the joint and embed an alkali free fibreglass tape into the wet coat by running the trowel or broad knife over the tape. Trowel additional Euromix® Patch Coarse over the tape, if required, to ensure that it is laminated between layers of Patch Coarse. Trowel the edges flush with the face of the sheeting and allow the material to dry properly (at least 24 hours).

Apply a skim coat of Euromix® Patch Fine over the joint, ensure that the edges again finish flush with the sheet face – achieving a feathered edge. Euromix® Patch Fine can be sanded to an even smoother finish if required. Allow the material to dry thorough before applying paint or other finishes.

Corners: Securely fix suitable external plastic angle over corner. Apply 1 coat of Euromix® Patch Coarse so that all voids are properly filled and finish to feathered edge. Allow the material to dry properly (at least 24 hours).

Apply a skim coat of Euromix® Patch Fine over the joint, ensure that the edges again finish flush with the sheet face – achieving a feathered edge. Euromix® Patch Fine can be sanded to an even smoother finish if required. Allow the material to dry thorough before applying paint or other finishes.

Protect the curing material from condensation or other sources of moisture. Curing time in external applications is minimum 24 hours in normal conditions.

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). Coverage is variable, dependent upon type, texture and porosity of the substrate and the application technique.

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 Fine 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 Fine 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.

Cracking in solid and clad walls, that is a result of structural movement, cannot be prevented by using Patch Fine. Faulty or improper construction can lead to substrate cracking and fracturing and in turn can crack the Patch.

Control joints should be formed between every building level, between different substrates and within substrate sections to allow for building movements and minimize potential cracking. Follow the substrate manufacturer's specifications for the management of material and building movement.

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Product Data Sheet (PDS/PATCHF/AUG13)

9. Handling, Storage & Transport:

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

10. Setting FC Sheet Joints:

Euromix Patch Coarse should be used as the base jointing material when setting joints between FC sheets. The full method for application is described in the Patch Coarse PDS, following is a summary of the key steps involved;

- Evenly fill recess joint using Euromix® Patch Coarse.
- Lay alkali resistant fibreglass mesh into joint, making certain that there is adequate Patch material below as well as above the mesh.
- Once the tape has been embedded apply a skim coat of Patch Coarse to finish off flush with the surface of the FC sheet.
- Remove excess compound from edges.
- Allow 24hrs-curing time before applying the topcoat.
- Trowel on topcoat of Euromix® Patch Fine over the joint.
- Apply second coat of Euromix® Patch Fine when the first coat is dry. Feather edges and trowel as smooth as possible
- Sand-off when dry, clean all surfaces leaving ready for finish coating of render, texture or paint.

11. Contact Point:

Supplier	Euroset Manufacturing Pty Ltd
Address	13 / 65 Elizabeth Street Wetherill Park NSW 2164
Telephone	(02) 9002 5820
Fax	(02) 9002 5824
Email	admin@euromix.com.au

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.