

MACPATCH FINE

Fine grade joint setting compound for fibre-cement sheet constructions.

DESCRIPTION

Macpatch Fine is a specially formulated low-shrink acrylic based stopping compound formulated for setting joints in fibre-cement sheet constructions and patching minor imperfections in concrete panels prior to over-coating. It combines excellent adhesion with flexibility making it the ideal solution for many patching applications. Due to its super-fine consistency, Macpatch Fine can be feathered along the edges to help reduce visible ridges in the finished job.

COMPOSITION

Macpatch Fine is manufactured using only the highest quality raw materials available. It consists primarily of selected fillers, fungicides, and graded super-fine aggregates blended into an aqueous acrylic binder system. The use of non-absorbent, fine fillers ensures Macpatch Fine is low-shrink, is able to be feathered and is sandable. Macpatch Fine is compatible with most acrylic based paints and finishes. Contact your nearest MAC reseller for advice prior to application.



DESIGN CONSIDERATIONS

When coating fibre-cement sheet, the following design consideration should be strictly adhered to.

- › **Vertical Control Joints:** These must be double stud construction and placed at 5.4 metre (max.) intervals or as specified by sheet manufacturer. Where possible, control joints should coincide with window and door openings.
- › **Horizontal Control Joints:** These should be placed at first storey floor joist level and gable ends on double storey constructions. MAC doesn't recommend the use of Macpatch Fine on surfaces greater than double storey height.
- › **Colour Selection:** When selecting the finish coat colour, dark shades must be avoided to reduce the risk of thermal cracking resulting from excessive heat build-up in the coating system.
- › **Nail Spacing and Edge Support:** All sheet edges must be fully supported by framing. Sheet perimeter must be nailed at 200 mm centres and at no less than 12 mm from the edge of the sheet or as per sheet manufacturers recommendations.
- › **Stud Size and Spacing:** Studs used in the frame work must be MGP-10 timber not less than 45 mm in face width. Studs spacing must be 600 mm centres for 1200 mm sheets and 450 mm centres for 900 mm sheets or as per sheet manufacturers recommendations.
- › **Sheet Layout:** Do not use offcuts. Full sheets must be used in a vertical orientation beginning at one end. Protrusions into sheet surface of less than 200 mm is not permitted.
- › **Joint Design:** Sheets must be joined hard against one another with no gaps in between. See sheet manufacturer's current specification for recommendations regarding correct joint design and preparation.
- › **Manufacturer's Literature:** Always refer to the latest installation literature as provided by the sheet manufacturer's prior to application of any patching and coating systems over fibre-cement sheet. If any discrepancies occur between MAC and the manufacturers literature, please contact MAC for technical advice.

PREPARATION

Prior to application of Macpatch fine, ensure rebated fibre-cement sheet joints or holes to be patched are clean and free of any damaged, loose or flakey material. Care should be taken to thoroughly remove any greasy or oily materials such as concrete mould release agents. Refer to sheet manufacturer's latest manuals for details on joint design and sheet installation. Use only rebated fibre-cement sheet edges. If no rebate exists, create one manually using an angle grinder or similar. Exposed fibre-cement sheet should first be primed prior to patching. Once complete through drying has occurred, prime entire wall surface prior to application of paint or textured finish.

COATING SCHEDULE - IN ORDER OF APPLICATION

STAGE	PROCESS	NOTES
<i>Preparation of mix</i>	<i>Mix Macpatch Fine with type GP portland cement at a rate of 1 part cement : 10 parts Macpatch Fine until a homogenous, lump free paste has been attained.</i>	<i>Addition of cement will eliminate problems associated with through drying. Also improves exterior durability.</i>
<i>Application of bedding coat</i>	<i>With a trowel or spatula, apply a single coat of Macpatch Fine to the rebated joint. Ensure the rebate is complete filled flush with the sheet surface.</i>	<i>Ensure no air is entrapped between patch and fibre-cement sheet.</i>
<i>Application of FG reinforcing mesh</i>	<i>Whilst the bedding coat is still wet, work a strip of ARFG mesh into the joint and embed into the Macpatch Fine using a trowel or spatula. Ensure that the embedded ARFG mesh is set back slightly from the surface of the fibre-cement sheet.</i>	
<i>Finishing coat</i>	<i>Apply a final finishing coat to the taped joint and smooth to a flush finish. Ensure edges of joint have been feathered out sufficiently.</i>	<i>Acrylic finish coats must have an LRV > 45%. i.e. lighter shades only.</i>

APPLICATION

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Try to keep joints as flush with the surface as possible to reduce the risk of ridges along the joints in the finished coating. Allow to dry for a minimum of 48 hours in dry conditions (longer in wet/damp conditions) prior to sanding or overcoating.

Once complete through drying has occurred, prime entire wall surface prior to application of paint or textured finish. Acrylic finish coats must have an LRV > 45%. i.e. lighter shades only.

N.B. The use of plastic angles and trims is not recommended due to their tendency to buckle and ultimately delaminate in certain conditions.

COVERAGE

Coverage rates depend heavily on coating thickness and joint depth. As a guide, 15 litres of Macpatch Fine should be sufficient to stop approximately 60 lineal metres of rebated sheet joints.

SUPPLY

Macpatch Fine is available in 5 and 15 litre plastic pails. Pallet lots of 48 drums are available on request.

CLEAN UP

Macpatch Fine is a water based compound. Wash tools with clean water immediately following use.

SAFETY

Macpatch Fine is non-hazardous. Prolonged exposure to the skin may however result in minor irritation. MAC recommends the use of skin and eye protection whilst applying this product. The contents of this pail are heavy. Please handle with care to avoid any personal injury.

IMPORTANT NOTE:

Melbourne Acrylic Coatings Victoria Pty Ltd, its staff and distributors will not accept responsibility for any failure caused as a result of factors beyond our control including but not limited to onsite handling, preparation or application of this product. Application of this product should only be performed by qualified trades people trained in the use of this type of product. Information supplied in this publication is based on our testing and experience and is given in good faith. Suitability of this product should be independently determined prior to use. Warranty is limited to the replacement of any materials proven to be faulty. MAC will not warrant job defects caused as a result of but not limited to, structural/substrate movement or entrapped moisture.

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