

ACRYTILE CEMFIX

Economical rigid set ceramic tile adhesive for porous tiles and substrata.

DESCRIPTION

An economical thin and thick bed cement based ceramic tile adhesive for bonding most types of tiles to rigid masonry substrates including concrete, cement render, rendered bricks¹ and blockwork¹. Use on floors and walls both internal and external. Suitable for adhering porous and natural stone tiles.

KEY FEATURES

- > Economical
- > Extended open time
- > Excellent adhesion to rigid surfaces
- > Low odour
- > Easy to spread
- > Use thin and thick bed
- > Suitable for internal and external use



RECOMMENDED APPLICATIONS

Suitable for adhering most types of porous tiles including monocottura, slate, quarry, terracotta and natural stones with the exception of moisture sensitive varieties including green marble. Use over porous surfaces including concrete, cement render, rendered brick and blockwork both internal and external. When using on external facade and multi-level work always prepare CEMFIX with neat XTRA as a total water replacement. Acrytile CEMFIX is suitable only for rigid floor and wall applications. Acrytile CEMFIX can also be used as a high bond strength slurry primer when mixed 1:1 by weight with Acrytile XTRA additive.

SURFACE PREPARATION

Surface preparation should be carried out as per AS 3958.1-2007 Section 4. All surfaces to be adhered to must be clean, dry and free from any impurities, laitance or contaminants which may adversely inhibit adhesion.

Concrete Floors: Concrete floors should have a wood float finish and be allowed to cure for a minimum of 28 days prior to tiling. The surface should be true and level with adequate fall to drains where required. Remove any concrete sealers or curing compounds from the surface. Steel trowel finished concrete should be mechanically abraded to remove any laitance and provide an adequate key.

Cement Renders & Screeds: Render should consist of one part cement to four parts sand. Leave render and cement screeds with a wood float finish and allow to cure for a minimum of 7 days prior to tiling. Render should not be less than 5 mm in thickness unless polymer modified. Check with render manufacturer for suitability.

MOVEMENT JOINTS

Provide movement joints where required in accordance with AS3958.1-2007 section 5.4.5. Some examples are as follows:

- > Around the perimeter of the tiled surface
- > At maximum 5 metre intervals in any direction
- > At the junction of non-identical substrates
- > At the edges of fittings and fixtures falling within the tiled surface

- > All internal vertical corners
- > At storey height on exterior multi-level projects

All movement joints must continue through the entire tile system including the tile and the adhesive bed. The final joint must be kept free of any grout and adhesive and should be filled with a suitably flexible silicone or polyurethane sealant in the selected colour.

PREPARATION OF ADHESIVE

Acrytile CEMFIX will require approximately 5 litres of water per 20 kg of adhesive powder. Add measured amount of water to a clean mixing vessel and slowly add the adhesive powder whilst stirring. Continue to add powder until a thick, creamy, lump-free paste has been achieved. Allow the freshly prepared mix to stand for 2 minutes to ensure thorough wetting has occurred then briefly re-stir prior to use. Do not re-mix the adhesive once it has started to set as this will reduce the adhesive bond strength. Adhesive should not slump when combed out using the appropriate size notched trowel.

APPLICATION

All tiling work must be carried out in strict accordance with AS 3958.1-2007 Section 5. Ensure the back of the tiles to be adhered are free from dust or any materials which may inhibit adhesion. Adhesive should be spread using the appropriate size notched trowel. For wall tiles up to 150 mm x 150 mm use a 6 mm notched trowel. For wall and floor tiles larger than 150 mm x 150 mm use a 10 mm or 12 mm notched trowel. Spread no more than 1 square metre of adhesive at a time and do not lay tiles if adhesive has skinned. Finished bed thickness should be a minimum of 2 mm for wall tiles and 4 mm for floor tiles. Ensure all tiles are fully supported by adhesive and that no voids are present. Remove a tile from time to time to ensure adequate coverage. Clean away any excess adhesive from the joints and face of the tiles whilst the adhesive is still wet. Allow to dry undisturbed for 24 hours prior to foot traffic and grouting.

Note: When tiling on rendered brickwork, facades and constantly immersed situations, water used in the preparation of CEMFIX must be completely replaced with Acrytile XTRA additive. This will ensure adhesion during the natural movement of brickwork constructions.

GROUTING

Prior to grouting, the tiled surface should meet the requirements of AS3958.1-2007 clause 5.4.6. Grout after 24 hours as per AS3958.1-2007 clause 5.7. Joint widths should be between 1.5 mm - 5 mm for wall tiles and 3 mm - 10 mm for floor tiles. Check grout for suitability.

COVERAGE

20 kg Acrytile CEMFIX will cover approximately 6 m² with a 6 mm notched trowel and 3 m² with a 12 mm notched trowel.

OPEN TIME

Approximately 30 minutes in 22°C at 50% relative humidity. Open time will be effected by ambient temperature. Always check for skinning on the adhesive surface prior to the application tiles.

POT LIFE & SET TIME

Approximately 2.5 hours at 22°C at 50% relative humidity. Final set will be achieved at 24 hours at 22°C with 50% relative humidity.

CLEAN UP

Remove excess adhesive from tile face and tools using a damp cloth whilst material is still wet. Wash all tools in warm soapy water immediately after use.

PACKAGING

Acrytile CEMFIX is supplied in 20 kg plastic lined multi-walled paper sacks.

SAFETY

Acrytile CEMFIX contains portland cement. The use of dust masks, skin and eye protection is recommended whilst handling and mixing this product. Refer to MSDS for further information. The contents of this bag are heavy. Refer to latest occupational health and safety practices when handling to minimise the risk of injury.

SHELF LIFE

This product can be stored unopened above floor level in a cool dry place for up to 12 months.

TABLE 1. TECHNICAL DATA

PROPERTY	RESULT
<i>Tensile strength 28 days standard conditions</i>	<i>1.2 Mpa</i>
<i>Tensile strength 7 days standard conditions & 21 days immersion</i>	<i>0.7 Mpa</i>
<i>Tensile strength 28 days after 30 open time</i>	<i>0.6 Mpa</i>
<i>Slip</i>	<i>0 mm</i>

PRODUCT LIMITATIONS

- › For use on completely rigid surfaces only
- › Not suitable for use on timber or particle board, plaster sheet or fibre-cement sheet
- › Not suitable for use with moisture sensitive stone or tiles including green marble or non-porous tiles
- › Suitable for use in temperatures ranging between 10 - 30°C. Open time can be greatly reduced in warmer weather. Ensure adhesive has not skinned prior to application of tiles.
- › Do not use in hot, windy conditions where adhesive skinning may occur prematurely
- › Do not apply over waterproofing membranes or primers unless prepared with Acrytile XTRA substitution
- › Not suitable for use in swimming pools or constant water immersion unless prepared with neat XTRA additive.

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 movement or entrapped moisture.

WWW.MELBACRYLIC.COM.AU

MAC
RENDERS &
ARCHITECTURAL
COATINGS