

ACRYTILE MULTI C1ETS1

Flexible rubber modified ceramic tile adhesive.

DESCRIPTION

Acrytile Multi is a premium grade cement based ceramic tile adhesive formulated for adhering most types of tiles over substrates including, brick and blockwork, cement render and screeds, concrete slabs, fibre cement sheet, plasterboard and selected waterproofing membranes. Acrytile Multi provides exceptional workability and performance and surpasses the requirements of AS 4992.1-2006 for classification as a C1ES1 adhesive.

KEY FEATURES

- > Flexible
- > Extended open time
- > Excellent adhesion
- > Low odour
- > Suitable for most tile types
- > Use for interior and exterior applications (when used externally, provide adequate drainage to avoid water ponding)



RECOMMENDED APPLICATIONS

Suitable for adhering most types of tiles including ceramic, mosaic, vitrified, porcelain, terracotta, quarry and natural stones with the exception of moisture sensitive varieties including, but not limited to, green marble. Use over concrete, cement render & screeds, brickwork and block work, fibre cement sheeting, plasterboard and approved waterproofing membranes.

SURFACE PREPARATIONS

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 7 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 1 day prior to tiling. Render should not be less than 5 mm in thickness unless polymer modified. Check with render manufacturer for suitability.

Porous Substrata: Porous surfaces must be treated with one coat of Acrytile Primer prior to the commencement of tiling. Non-porous substrata should not be primed.

Plasterboard & Fibre Cement Sheet: All plasterboard and fibre cement sheet substrata must be fixed in accordance AS 3958.1-2007 Section 4 or as per manufacturer's specifications.

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 Multi will require approximately 8 litres of water per 25 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 5 minutes to ensure polymer activation and 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.

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.

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

25 kg Acrytile Multi will cover approximately 13 m² with a 6 mm notched trowel and 6.5 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 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 Multi is supplied in 25 kg plastic lined multi-walled paper sacks.

SAFETY

Acrytile Multi 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.

CLASSIFICATION

This product surpasses the requirement for C1ES1 as per AS4992.1-2006 Ceramic tiles - Grouts and adhesives.

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>0.6 Mpa</i>
<i>Tensile strength 14 days standard & 14 days at 70°C</i>	<i>1.38 Mpa</i>
<i>Tensile strength freeze/thaw</i>	<i>0.6 Mpa</i>
<i>Tensile strength 28 days after 30 minutes open time</i>	<i>1.27 Mpa</i>
<i>Deformability</i>	<i>3.72 mm</i>
<i>Slip</i>	<i>0 mm</i>
<i>Classification according to AS4992.1-2006</i>	<i>C1ETS1</i>

PRODUCT LIMITATIONS

- > Not suitable for use on timber or particle board
- > Not suitable for use with moisture sensitive stone or tiles including green marble
- > Suitable for use in temperatures ranging between 5 - 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 approved by MAC
- > Not suitable for use in swimming pools or constant water immersion

GUARANTEE

When surface preparation has been carried out in accordance with AS 3958.1-2007 Section 4, tiles are installed according to AS 3958.1-2007, and this literature has been understood and followed accordingly, Acrytile Multi carries a guarantee against product failure.

The Guarantee is valid for a 10 year period from the time of application and is limited to the cost of replacement and associated labour of any material proven and acknowledged by us to be faulty.

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.

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