

PROHESIVE^o

PROFLEX

PRODUCT HIGHLIGHTS

- C2 – high bond strength
- E – extended open time
- T – non-slip/non-slump
- S1 – good flexibility
- Self priming
- ≤0.9mm crack bridging capability
- Green screed and render after 24 hours
- Suitable over under tile heating
- Accommodates thermal movement
- Cost effective/high coverage
- Water washable
- No odour
- Hydrates – chemically cures
- Excellent rheology and workability



BEST FOR:

- Concrete
- Sand/cement screeds
- Rendered brickwork
- Rendered concrete block
- Fibrous cement sheeting (internal use only)
- Plasterboard (internal use only)
- Tiling over existing tiles
- Tiling over PROHESIVE approved waterproofing membranes
- Use in areas covered by AS3958.1-2007



PROHESIVE PROFLEX is a flexible, polymer modified, cement based adhesive used for wall and floor applications. Suitable over concrete, cement render, green screeds, fibrous cement sheeting, plasterboard and PROHESIVE approved waterproofing membranes. PROHESIVE PROFLEX is recommended for most internal and external applications including bathrooms, toilets, laundries, kitchens, decks, verandahs and existing tiles. PROHESIVE PROFLEX is suitable for bonding most types of tiles including porcelain.

SURFACE PREPARATION

All surfaces must be clean, dry, free from dust, grease, wax, oil, laitance, curing compounds, release agents, paint, coatings, friable material and all other contaminants likely to prevent the adhesive bonding. Cement render/screeds must be allowed to cure for 1 day, concrete to be left with a wood float finish and allowed to cure for at least 7 days before tiling. Refer to the substrate test guide below for recommended surface preparation. Certain non-absorbent/impervious substrates that are suitable for tiling should be primed using Aqua Blök™ Epoxy Seal. For further information, contact the CTA Technical Department.

Aqua Blök™ Epoxy Seal should be used as a primer over Prohesive approved polyurethane waterproofing membranes.

PERFORM THE SUBSTRATE TEST

No water absorbed	Mechanically prepare substrate
Moderate water absorbed	Clean with damp sponge and water
All water absorbed	Broom on liberal amounts of water

This simple test is performed after vacuuming or sweeping a number of test areas and applying a single drop of fresh drinking water from the end of your finger. This should be approximately 20mm wide when it first hits the floor – if it beads and remains whole then “No water is absorbed”. If it loses all gloss within 20 to 60 seconds then “Moderate water is absorbed”. If the gloss disappears instantly or within 20 seconds then the substrate has “All water absorbed”. Look for different surface appearance in your floor and test each to ensure your test is representative of the whole area. Perform test in both a cool shaded area and an exposed sunny area if tiling externally.

MOVEMENT JOINTS

Movement joints must be incorporated at the design stage and in accordance with AS3958.1-2007.

MIXING

20kg of PROHESIVE PROFLEX powder requires approximately 8.5 litres of water. Add a measured amount of water into a clean container and sprinkle PROHESIVE PROFLEX slowly into the liquid with constant stirring. Eliminate lumps. Mix to a thick toothpaste consistency. Allow to stand for 5 minutes. Then re-mix. Adhesive is now ready to use.

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APPLICATION

All workmanship must be carried out in accordance with AS3958.1-2007. Apply the mixed adhesive to the prepared substrate using the appropriate notched trowel for the size of the tile being laid. A minimum of 1mm and a maximum of 3mm bed thickness for walls and a minimum of 3mm and a maximum of 10mm for floors must be achieved. Ensure that the tiles are fully supported by the adhesive with no voids. Do not spread more than 1m² of PROHESIVE PROFLEX at a time. Lay tiles into the adhesive before it skins. Do not disturb tiles until the adhesive has cured. Discard any PROHESIVE PROFLEX that has hardened or stiffened in the mixing bucket. Further addition of water will not reconstitute a useable mixture.

DRYING

Allow a minimum of 24 hours for the adhesive to set (or when tile work is firm) prior to allowing foot traffic or grouting. Allow 48 hours when tiling over PROHESIVE approved waterproofing membranes and non-porous substrates. Do not tile if temperatures are likely to drop to below 5°C or exceed 35°C. For temperatures below 20°C allow the adhesive to cure for an extended period of time. If uncertain check to see if the adhesive has set before allowing foot traffic or grouting.

GROUTING

Use the appropriate Polyblend™ recommended grout. Allow joint widths of 1.5mm to 5mm for walls and 3mm to 15mm for floors as per AS3958.1-2007. Thoroughly clean the surface of the tiles to remove all residue prior to the grout drying.

CLEAN UP

PROHESIVE PROFLEX can be removed from the surface of the tiles using a damp cloth while the adhesive is still wet. Tools and equipment can be cleaned with warm water and detergent prior to the adhesive drying.

POT LIFE

3.5 hours at 22°C and 50%RH Setting time: 24 hours at 22°C and 50%RH.

COVERAGE

Approximately 16.6m² per 20kg bag using a 6mm notched trowel and 10m² using a 10mm notched trowel.

SHELF LIFE

Unopened bags can be stored for up to 12 months in a cool, dry and weatherproof environment. Bags must be stored off the floor.

SAFETY DIRECTIONS

PROHESIVE supports best practice in material handling: gloves, mask, safety goggles and protective clothing should be worn. If the product comes into contact with the skin, wash off with warm soapy water. Avoid inhaling the dust by wearing a suitable dust mask and provide adequate ventilation. If swallowed drink plenty of water and seek medical advice. In case of contact with the eyes, rinse with an eye wash or wash away with plenty of water.

FIRST AID

If poisoning occurs, contact a Doctor or Poisons Information Centre (Phone Australia: 13 11 26, New Zealand: 0800 764 766). EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS). SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.

LIMITATIONS

- Not suitable for tiling directly onto timber, plywood, particleboard, MDF and Masonite.
- Not suitable for continuous water immersion applications, eg: swimming pools and spas etc.
- Not suitable for tiling over waterproofing membranes unless it is an PROHESIVE approved product.
- Not suitable for tiling directly on to metals or plastic substrates.
- Not suitable for tiling directly onto polyurethane membranes, contact the CTA Technical Department for further information.
- Not suitable for moisture sensitive tiles/stone or green marble.
- Do not mix or apply adhesives in temperatures below 5°C and above 35°C and under extreme hot and windy conditions.
- External tiling must not exceed 2.7m in height.
- Suspended concrete slabs must conform to AS3958.1-2007 for maximum deflection. Any post-tensioned concrete slab must be treated as a flexible substrate.
- Contact the CTA Technical Department for further details.

GUARANTEE

CTA Pty. Ltd. guarantee this product for 12 years provided application is in accordance with manufacturer's written directions for use and the Australian Standard for Tiling Practice (AS3958.1-2007). The representations and recommendations regarding the products are based on tests which we believe to be reliable. However, no guarantee of their accuracy can be made because of the great range of field conditions and variations encountered in raw materials, manufacturing equipment and methods. Thus, the products are sold with a limited warranty only, and on the condition that purchasers will make their own tests to determine the suitability of the product for their particular purposes. Under no circumstances will CTA Pty Ltd. be liable to anyone except for replacement of the products or refund of the purchase price.

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