

TP100

1 Part Rubber Modified Ceramic Tile Adhesive

TP 100 is an economical rubber modified adhesive for fixing ceramic tiles in internal and external situations. It is suitable for use over render, plasterboard, fibre-cement sheets and concrete in situations where hairline shrinkage movement (up to 0.3mm) is expected.

TP 100 exceeds the requirements of Australian Standard AS 2358 ñ 1990 and meets the Draft ISO 9001 requirements of a C1S1 adhesive.

APPLICATION RANGE

Tiles

Suitable for tiles with >0.01% water absorption. Porcelain, mosaics, fully vitrified, ceramic tiles & natural stone.

Location

Internal, external (provided adequate falls to waste)

Surfaces

- Walls – Cement render, concrete, fibre cement sheets, plasterboard
- Floors – Concrete, compressed fibre-cement sheets

Performance Levels

Residential, Commercial

Typical Applications

- Fixing wall tiles over cement render, concrete, fibre cement sheets and plasterboard.
- Fixing floor tiles over concrete floors and fibre-cement sheets.
- Suitable for use over hairline shrinkage cracks in concrete.

SURFACE PREPARATION

Surfaces must be consistently flat and firmly fixed. Clean off dust, oil, grease, release agents and all loose contaminating materials. Ensure surfaces are dry before tiling, with no residue or permanent damp. Prime porous surfaces with TP70.

MIXING

6 litres of clean water mixed 20kg TP 100 makes approx. 19 litres of mixed adhesive. For further details including specific mixing instructions refer to the rear of the packaging.

APPLICATION

Tiling practices must be in accordance with AS 3958.1:1991. For further details including specific application instructions refer the rear of the packaging.

GROUTING

Do not grout until the adhesive has set. This will usually take 6-8 hours at 23°C and 50% relative humidity. Use a grout suitable to the size of the joints and tiles. Tile Power staff can advise you. Do not use neat cement.

MOVMENT JOINTS

Movement Joints should be incorporated at 5 metre intervals and at any internal corners. See packaging for details.

CLEAN UP

While it is still fresh, TP100 can be cleaned off with a damp sponge.

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DRYING TIME

Usually within 24 hours, depending on temperature and surface porosity. Allow longer for dense tiles.

STORAGE

TP100 has a shelf life of 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

PACKAGING

TP100 is available in:

20kg bag

PRECAUTIONS

- One part rubber modified adhesives generally exhibit minimum flexibility and low tolerance for movement. TP100 is suitable for hairline shrinkage (0.3mm). If unsure or where greater movement is anticipated, contact ARDEX Tech Info at 1800 224 070.
- Do not use TP100 for tiling directly over timber floors. Contact ARDEX Tech Info at 1800 224 070.
- TP100 is not suitable for fixing moisture sensitive stone or translucent tiles.
- Do not use TP100 for continuous immersion applications (e.g. swimming pools).
- External tiling and shower recess floors must have adequate falls for drainage.

NOTE

Although the technical details and recommendation contained in this brochure correspond to the best of our knowledge and experience, the above information must, in every case, be taken merely as indicative and subject to confirmation after long term practical applications.

TECHNICAL DATA

Characteristics of Product

Colour Off White

Characteristics of Mix

Mixing Ratio: 20kg:7.5L
(powder to water)

Application Properties: (at 23°C and 50% RH)

Pot Life: Approximately 1.5 hours
Open Time: 15-20 mins
Adjustment Time: 15-20 mins
Grouting Time: 6-8 hours
Underfloor Heating: Yes

Mechanical Properties (AS 4992)

Tensile Adhesion Strength after:

28 days dry: 1.0-1.5 MPa
Water Immersion: 0.5-1.0 MPA
Heat: 0.5-1.0 MPA
Freeze Thaw: 0.5-1.0 MPA
Classification: C1 S1

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