

TP10

A Multipurpose Wall and Floor Adhesive

TP10 is a cementitious mastic tile adhesive for use on walls and floors in internal areas. It combines the properties of a mastic adhesive with those of a fast setting cement based adhesive.

TP10 exceeds the requirements of Australian Standard AS 2358 – 1990.

APPLICATION RANGE

Tiles

TP10 is suitable for tiles with more than 0.01% water absorption, including ceramic tiles, natural stone, porcelain, fully vitrified and is ideal for translucent tiles such as marble (excluding green marble) and glass mosaics.

Location

Internal walls and floors.

Surfaces

Substrates include cement render/screeds, concrete, fibre-cement sheets, existing ceramic tiles and plasterboard. It can also be used over TP30 waterproofing membranes.

TP10 is not suitable for timber floors.

Performance Levels

Commercial and Residential.

Typical Applications

- Tiling over existing tiles (internal wall or floor with correct preparation (see packaging for details)) where reduced drying time and initial grab is required.
- Kitchen and laundry splashbacks where fixing and grouting need to be completed within a short time frame.

- Bathrooms, ensuites and powder rooms lined with fibre cement sheets, plasterboard, render or TP30 waterproofing membrane.
- Fixing light or translucent tiles e.g. light coloured marble, glass mosaics.
- TP10 is not suitable for applications subject to water immersion e.g. swimming pools.

TECHNICAL DESCRIPTION

White, cementitious mastic with polymers to impart flexibility. It contains additives to accelerate drying time and increase shear bond strength.

SURFACE PREPARATION

Surfaces must be true and firmly fixed. Clean off dust, oil, grease, wax and all loose contaminating material. Ensure surfaces are dry before tiling. Prime porous surfaces with TP70.

MIXING

Use approximately 5-6 litres of clean water per 20kg of TP10.

EXPANSION JOINTS

Incorporate movement joints as per AS3958.1

APPLICATION NOTES

Application should be in accordance with instructions printed on packaging, the project specifications and AS3958.1, 1991 in that order.

Porous substrates will reduce open time, so only spread a small area at a time.

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Packaging

20kg bags.

Shelf Life

TP10 has a shelf life of not less than 12 months when stored in the original unopened packaging, in a dry place at 23°C and 50% relative humidity.

Coverage

Approximately 1.6kg of TP10 per square metre using a 6 x 6x 6mm notched trowel.

Drying Time

Approximately 4 – 6 hours, at 23°C and 50% relative humidity. Allow longer for dense tiles/ substrates, humid climates and low temperatures.

Grouting

Do not grout until the adhesive has set. Use ARDEX FG8 for 1-8mm joints, ARDEX WJ50 for 5-50mm joints and ARDEX WA Epoxy Grout for increased protection

Clean Up

All tools should be cleaned with water immediately after use

Precautions

- Do not use TP10 over timber floors.
- Do not use TP10 for swimming pools.
- Do not use TP10 to fix green marble.

QUALITY PRODUCT

TP10 is maintained and rested to ARDEX Procedures, which are maintained in accordance with Quality System standard ISO9001.

TECHNICAL DATA

Product Identity

From & Colour Powder (white)
Bulk Density Approx. 1.4kg/dm³

Application Properties

Mixing Ratio: 100:28 (powder:water)
Open Time: 45 minutes
Adjustability Time: 45 minutes
Setting Time: 4-6 hours approx.
Pot Life 2 hours approx.
Sagging: None

Mechanical Properties (AS 4992.1)

	Result	Requirements
Tensile Adhesion Strength:	0.8 MPa	0.5 MPa
Tensile Adhesion Strength after water immersion:	0.5 MPa	0.5 MPa
Transverse Deformation	5mm	S ₁ : ≥ 2.5mm < 5mm S ₂ : ≥ 5mm

Classification C1S₂

NOTE

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

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