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# SUPER TILESET

DUNLOP® SUPER TILESET is a polymer fortified cement-based wall and floor tile adhesive. Especially designed to fix all types of ceramic tiles over stable internal and external\* substrates. DUNLOP® SUPER TILESET exceeds the requirements of Australian Standard AS 4992.1(C).

\*External substrates not subject to movement.

## SUITABLE SUBSTRATES

Concrete, cement render, cement screeds existing ceramic tiles, DUNLOP® Undertile Waterproofing Membrane, plasterboard and fibre-cement sheets.

## TILES

Suitable for tiles with more than 0.01% water absorption, including non-moisture sensitive natural stone, porcelain, mosaics, vitrified and ceramic tiles. Contact the Dunlop Toll Free Hotline when fixing fully vitrified tiles.

## SURFACE PREPARATION

Surface must be consistently flat and firmly fixed. Clean off dust, oil, grease and all loose contaminating materials. Ensure surfaces are dry before tiling, with no residue or permanent damp. Prime porous surfaces with DUNLOP® PRIMER & ADDITIVE.

### Concrete Floors

Concrete floors should have a wood float finish. Allow at least 4 weeks for new concrete to cure prior to tiling. Screeds must be at least 7 days old. The surface should be true and level and pitched to drains where required. Remove any concrete sealers or curing compounds from the surface, e.g. chlorinated rubber, resin, wax sealers. Steel trowel finished concrete should be roughened mechanically to remove laitance and provide a good key for tiling.

### Cement Render/Screeds

Render/screeds should consist of one part cement to three or four parts sand. Leave the screed with a wood float finish to establish a mechanical key. Allow surface at least seven days to cure prior to tiling. It should be no less than 10mm thick.

### Existing Ceramic Tiles

Existing tiles must be firm and stable. Roughen the surface by mechanical means and clean off contamination and dust before tiling. Ensure that at least 80% of the glaze is removed.

### Fibre-Cement Sheets

Fix sheets according to manufacturers instructions, making sure the surface is completely clean. After priming with DUNLOP® PRIMER & ADDITIVE, tape sheet joints with PVC ducting tape. Tiling over compressed fibre-cement sheets for external flooring applications should be carried out as per sheet manufacturers recommendations and Australian Standard AS3958.1



## Dunlop Undertile Waterproofing

Dunlop® Undertile Waterproofing must be applied according to instructions and thoroughly dry prior to tiling.

## MIXING

Use approximately 1.25L of water per 5kg of DUNLOP® SUPER TILESET.

1. Add powder to clean water in a clean container and mix to a thick creamy consistency.
2. Allow to stand for 5 minutes.
3. Re-stir the mixture thoroughly and the adhesive is ready for use for up to 3 hours at 23°C and 50% relative humidity.

Do not add additional water.

## APPLICATION

- Tiling practices must be in accordance with AS3958.1:2007. Use the appropriate notched trowel to achieve 100% coverage. As a general guide, use a 6x6x6mm trowel on walls or a 10x10x10mm trowel on floors.
- Before fixing tiles, ensure the back of the tiles are free from dust.
- Spread approximately one square metre at a time ensuring that a skin has not developed prior to bedding the tiles. Do not apply DUNLOP® SUPER TILESET at a bed thickness greater than 10mm or less than 3mm.
- Press and slide the tile at right angles to the notch pattern to ensure 100% coverage on the back of the tile. Deeply keyed quarry tiles and some extruded tiles may require buttering of the adhesive on the back of the tiles to ensure complete coverage.
- Lift a tile from time to time to check that there are no voids beneath the tile. Do not spot fix tiles.
- Any surplus adhesive must be removed from the surface of the tile and joints, before the adhesive sets.
- Allow adhesive to set firm (approximately 24 hours) before grouting.

## DRYING TIME

Full traffic after 24 hours at 23°C and 50% relative humidity. Allow longer for dense tiles/substrates, humid climates and low temperatures.



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## GROUTING

Use DUNLOP® COLOURED GROUT for flexible, watertight and mould resistant joints. For joints greater than 8mm, use DUNLOP® WIDE JOINT GROUT.

## MOVEMENT JOINTS

Movement joints must be in accordance with AS3958.1:2007. As a general guide, movement joints should be incorporated at 5 metre intervals and around the perimeter of the floor. Any structural movement joints must be carried through to the face of the tiling. These joints must be approximately 6mm wide and kept free from adhesive and grout droppings. They should be filled with a suitable flexible material - DUNLOP® COLOURED SILICONE. For walls, incorporate movement joints at internal corners, fixtures interrupting the tile surface, at 3-4.5 metre intervals and storey height for external fixing.

## COVERAGE

Approximately 4kg per square metre when using a 10mm notched trowel and 3kg per square metre when using a 6mm notched trowel.

## CLEANING

All tools should be cleaned with water immediately after use.

## PRODUCT LIMITATIONS

- Do not use DUNLOP® SUPER TILESET for continuous immersion applications (e.g. swimming pools, water tanks). Dunlop provides other systems.
- Do not use DUNLOP® SUPER TILESET over timber floors or non-absorbent substrates e.g. metal.
- Do not use DUNLOP® SUPER TILESET to fix moisture sensitive stone such as green marble.
- Not suitable for substrates subject to shrinkage movement, Dunlop provides other systems.

## SAFETY

DUNLOP® SUPER TILESET is hazardous; non-dangerous goods. It contains Portland cement and is alkaline nature. It can be irritating to skin and eyes. Wear protective equipment such as dust masks, goggles and gloves when handling. Wash off splashes of material with clean water. If irritation persists contact Doctor or Poisons Information Centre.

## FIRST AID

If swallowed do NOT induce vomiting. Rinse out mouth with water and then provide liquid slowly and as much as casualty can comfortably drink. In case of contact with eyes, hold eyelids apart and flush eye continuously with running water for at least 15 minutes and contact a Doctor. If skin or

hair contact occurs wash skin and hair with running water. If fumes or combustion products are inhaled remove from contaminated area. For full safety and first aid instructions, refer to the product MSDS.

## SHELF LIFE

12 months when stored in the original unopened packaging, in a dry place at 30°C and 50% relative humidity

## GUARANTEE

This product is guaranteed for ten years when installed to the relevant Australian standard, Ardex specifications, current technical datasheets and instructions for use. Details can be obtained from Ardex Australia Pty Ltd.

## TECHNICAL DATA

### Product Identity:

Colour & Form: Off white powder

### Application Properties (@23°C and 50% RH)

Mixing Ratio: 4:1 (powder:water)  
 Open Time: approx 25 minutes  
 Adjustability Time: approx 30 minutes  
 Pot Life: 3 hours  
 Sagging: None

### Mechanical Properties: (AS4992.1)

	Result	Requirement
Tensile Adhesion Strength:	1.8MPa	≥ 0.5MPa
Tensile Adhesion Strength after immersion in water:	1.0MPa	≥ 0.5MPa
Freeze Thaw:	0.8MPa	≥ 0.5MPa
Heat Ageing:	0.6MPa	≥ 0.5MPa

### Classification

C<sub>1</sub>

## USER NOTES

The technical details and recommendations contained in this data sheet are given in good faith and represent the best of our knowledge and experience at the time of printing. It is the responsibility of the user to ensure that the products are used in accordance with DUNLOP product instructions and in applications for which they are intended.

Exceeds Australian Standard AS 4992.1

DUNLOP is a trademark of Ansell Limited and is used under licence by ARDEX in Australia and New Zealand.

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