



TRADE RANGE TRADE RANGE TRADE RANGE TRADE RANGE

ABAFLEX

DUNLOP® ABAFLEX is a premium grade, cement-based wall and floor tile adhesive. Especially suited to high performance situations, DUNLOP® ABAFLEX will withstand heavy pedestrian traffic and accommodate shrinkage movement associated with early age concrete and screeds. DUNLOP® ABAFLEX can be used indoors and outdoors and is fast drying, enabling floors to be grouted within 8 hours. Exceeds Australian Standard AS4992.1-2007.

SUITABLE SUBSTRATES

Concrete, cement Render, DUNLOP® Undertile, Waterproofing Membrane, fibre-cement sheets, existing vinyl tiles or ceramic tiles, plasterboards & prepared painted surfaces.

TILES

Suitable for tiles with more than 0.01% water absorption, including non-moisture sensitive natural stone, porcelain, mosaics, vitrified and ceramic 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 (including early age concrete)

Early age concrete must be a minimum of 7 days old and no less than 20 MPa grade. Protect slab from moisture escape directly after pouring concrete (i.e. cover with plastic sheet or similar system). Prior to tiling remove 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/Screed

Render and screeds to consist of 1 part cement to 3 or 4 parts sand. Leave the render/screed with a wood float finish to establish a mechanical key. It should be no less than 10mm in thickness. Curing time is a minimum of 16 hours.

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

Painted Surfaces

Water-based acrylics, PVA, polyurethanes, epoxy enamels and other finish coatings must be mechanically removed to

fully expose the substrate. Where solvent-based acrylics (oil-based) is used, roughen the surface with coarse sand paper (40 grit).

Existing Vinyl Tiles

Ensure vinyl tiles are well bonded to the substrate. Remove wax, polish and any loose tiles. Roughen with coarse sand paper then clean the surface with warm water.

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.

Dunlop Undertile Waterproofing

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

MIXING

Use approximately 4L of water per 20kg of DUNLOP® ABAFLEX.

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 2 hours at 23°C and 50% relative humidity.

Do not add additional water.

APPLICATION

1. 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.
2. Before fixing tiles, ensure the back of the tiles are free from dust.
3. Do not apply DUNLOP® ABAFLEX at a bed thickness greater than 10mm or less than 1.5mm.
4. 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 tile to ensure complete coverage.
5. Lift a tile from time to time to check that there are no voids beneath the tile. Do not spot fix tiles.
6. Any surplus adhesive must be removed from the surface of the tile and joints, before the adhesive sets.
7. Allow adhesive to set firm (approximately 8 hours) before grouting.



TRADE RANGE TRADE RANGE TRADE RANGE TRADE RANGE

ABAFLEX

DRYING TIME

Light foot traffic may be allowed after 8 hours and full traffic after 24 hours at 23°C and 50% relative humidity. Allow longer for dense tiles/substrates, humid climates and low temperatures.

GROUTING

Use DUNLOP® COLOURED GROUT for flexible, watertight and mould resistant joints. For joints greater than 8mm, use DUNLOP® WIDE JOINT GROUT. To enhance the colour of the grout, impart a degree of flexibility, reduce the porosity and staining and when grouting over early age concrete, use in conjunction with DUNLOP® PRIMER & ADDITIVE.

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

Coverage will vary depending on substrate condition and application technique. As a general guide, use a 6mm notch trowel for wall and a 10mm for floors.

UNIT SIZE	WALLS	FLOORS
20kg	7m ²	5m ²

CLEANING

All tools should be cleaned with water immediately after use.

PRODUCT LIMITATIONS

- Do not use DUNLOP® ABAFLEX for continuous immersion applications (e.g. swimming pools, water tanks) use DUNLOP® Tile-All.
- Do not use DUNLOP® ABAFLEX over timber floors or non-absorbent substrates e.g. metal.
- Do not use DUNLOP® ABAFLEX to fix moisture sensitive stone such as green marble.

SHELF LIFE

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

SAFETY

DUNLOP® ABAFLEX 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.

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:		
Form:	Powder	
Colour:	Off White	
Bulk Density:	Approx. 1.6kg/litre	
Application Properties (@23°C and 50% RH)		
Mixing Ratio:	20kg Abaflex: 4 litre water	
Open Time:	30 minutes	
Setting Time:	8 hours	
Sagging:	None	
Adjustability Time:	45 minutes	
Pot life:	2 hours	
Mechanical Properties: (AS4992.1)		
	Result	Requirement
Tensile Adhesion Strength:	1.7MPa	≧ 0.5MPa
Tensile Adhesion Strength after water immersion:	1.0MPa	≧ 0.5MPa
Freeze Thaw:	1.0MPa	≧ 0.5MPa
Classification		
	C ₁ TS ₁	

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.

ARDEX Australia Pty Ltd. ABN 82 000 550 005
20 Powers Road, Seven Hills NSW 2147 Australia
Ph (02)9851 9199 Fax (02)96745621

ARDEX New Zealand Ltd
Ph (03)3843 029 Fax (03)3849 779

DUN_AFLEX_0408

TOLL FREE SERVICE:
1800 222 841(Aust) 0800 224 070 (NZ)

www.dunlopdii.com