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MPP



DUNLOP® MPP (Multipurpose Powder) is a cementitious mastic ceramic tile adhesive suitable for walls and floors in indoor situations. It combines the properties of a mastic adhesive with those of a fast-setting cement based adhesive. **DUNLOP® MPP** is especially suited to applications requiring minimum delay between the tiling and grouting operations and is ideal for translucent tiles such as marble (excluding moisture sensitive stone) and glass mosaics. **DUNLOP® MPP** exceeds the requirements of Australian Standard AS4992.1 (C₁S₂ adhesive).

SUBSTRATES

Refer to section on Surface Preparation. Contact the DUNLOP Toll Free Hotline if other substrates are encountered.

TILES

Suitable for tiles with more than 0.01% water absorption, including natural stone, porcelain, mosaics, fully vitrified and ceramic tiles.

SURFACE PREPARATION

Surfaces 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**.

Cement Render/Screeads

Render/screeds to consist of one part cement to three or four parts sand. Leave the surface with a wood float finish to establish a mechanical key. Allow the surface at least 7 days to cure prior to tiling. The render should be approximately 10mm thick. If the render is very porous or dusty, prime with **DUNLOP® PRIMER & ADDITIVE**.

Fibre-Cement Sheets

Fix sheets according to manufacturer's instructions, making sure the surface is completely clean. After priming with **DUNLOP® PRIMER & ADDITIVE**, tape sheet joints with PVC ducting tape.

Plasterboards

Do not require priming. However when jointing compound is used, prime joints with **DUNLOP® PRIMER & ADDITIVE**.

Dunlop Undertile Waterproofing

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

Concrete Walls/Floors

New concrete floors should have a wood float finish. Allow at least four (4) weeks for concrete to cure prior to tiling. Screeds must be at least seven 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

Existing Ceramic Tiles

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

MIXING

Use approximately 1.5 litres of water per 5kg of MPP.

- Add powder to clean water in a clean container and mix to a thick creamy consistency.
- Allow to stand for 5 minutes.
- 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 use additional water.

APPLICATION

- Tiling practices must be in accordance with AS 3958.1 2007. Use the appropriate notched trowel to achieve 100% coverage. As a general guide, use a 6 x 6 x 6mm trowel on walls, 10 x 10 x 10mm trowel on floors.
- MPP has a short skin time, only spread small areas at a time.
- 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 MPP at a bed thickness greater than 6mm or less than 1.5mm.
- 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 (4-6 hours) before grouting. Light pedestrian traffic may be allowed after 24 hours, depending on temperature and surface porosity.

DRYING TIMES

Approximately 4-6 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. To enhance the colour of the grout, impart a degree of flexibility and reduce porosity and staining, 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 such as DUNLOP® COLOURED SILICONE. For walls, incorporate movement joints at internal corners, fixtures interrupting the tile surface, at 3-4.5 metre intervals.

COVERAGE

5kg of MPP is sufficient for approximately 3m² of tiling when using a 6 x 6 x 6mm notch trowel, and 2.5m² when using a 10 x 10 x 10mm notch trowel.

CLEANING

All tools should be cleaned with water immediately after use.

PRODUCT LIMITATIONS

- Do not use MPP in external environments.
- Do not use MPP to fix moisture sensitive natural stone (e.g. green marble).
- Do not use MPP in areas subjected to water immersion - e.g. swimming pools, use DUNLOP® TILE-ALL.
- Do not use MPP over timber.

SHELF LIFE

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

SAFETY

DUNLOP® MPP 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.

TECHNICAL DATA

Product Identity:

Form: White powder
Bulk Density: 1.4kg/dm³

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

Mixing Ratio: Powder:Water = 100:28
Open Time: 45minutes
Adjustability Time: 45 minutes
Pot Life: 2 hours
Setting Time: 4-6 hours
Sagging: None

Mechanical Properties: (AS4992.1)

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

Classification

C1S₂

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.

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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