



# Durotile Mastik

## NON SLUMP WHITE COMMERCIAL GRADE

Durotile Mastik is non-slump, white, cement based tile adhesive specially designed for large format tiles.

What makes Durotile Mastik so unique is that it will not slump with tiles on the wall or the floor. Durotile Mastik accommodates shrinkage movement associated with early age concrete and screeds.



### FEATURES

- ◆ Commercial Grade
- ◆ Flexible, Non Slump
- ◆ Extended Open Time
- ◆ Adhesive meets C2S1TE classifications
- ◆ Low VOC content which easily meets Green Building Council of Australia Green Star IEQ-13 requirements.



### USE AREA

- ◆ Ideal product for commercial applications e.g. shopping centres, home units and project homes.
- ◆ Suitable for wall and floor applications and internal and external use.
- ◆ Ideal for bonding a large range of tile types including ceramic, fully vitrified, porcelain, natural stone, terrazzo, glass and mosaics.
- ◆ Ideal for application of tiles over Duroproof modified polyurethane waterproofing membrane.



### PACKAGING

- ◆ 20kg bag

## TECHNICAL INFORMATION

Colour	White
Mixing Ratio	Approx. 4.5L water per 20kg powder
Application Properties	at 23°C and 50% RH
Open Time	35 minutes
Adjustment time	60 minutes
Grouting time	8 hours
Ready for use	24 hours
Pot life	2 hours
Under floor heating	Yes
Mechanical Properties (AS 4992)	
Tensile Adhesion Strength After 28 days dry	1.9MPA
Water immersion	1.2MPA
Heat	1.2MPA
Freeze Thaw	1.2MPA
Specific Gravity	1.4kg per litre
Classification	C2S1TE

## DESIGNED FOR FIXING

Suitable for wall and floor applications and internal and external use.

Ideal for bonding a large range of tile types including ceramic, fully vitrified, porcelain, natural stone, terrazzo, glass and mosaics.

Ideal for application of tiles over Duroproof modified polyurethane waterproofing membrane.

## SUBSTRATES

Concrete, renders, screeds, Duroproof waterproofing membrane, blockwork, gyprock, plasterboard and fibre cement surfaces.

## PREPARATION

Ensure surfaces are sound and free from movement, oil, grease, wax, dust, any curing and release agents and any other barrier materials. Ensure surface to be tiled over is strong enough to support the weight of the tiles being fixed. Surface needs to be dry before tiling, with no residue or permanent damp.

## CONCRETE & CEMENT RENDER SCREEDS

Ensure all concrete slabs are allowed to cure for at least 7 days in accordance with AS 3958.1-2007 and have a wood float finish. The maximum variation in the plane of the concrete must not exceed 5mm in 3 meters for floors and 4mm in 2 meters for walls. Steel troweled finished concrete surfaces must be mechanically abraded or primed first using Duro Opti Primer.

All render surfaces must be allowed to cure for at least 24 hrs. prior to commencing tiling

## PLASTER BOARD / FIBRE CEMENT SHEET WALL AND FLOOR

Plasterboard and Fibre cement sheeting must be the correct sheeting for the installation and be used and installed in accordance to the manufacturer's written specifications. The surface must be primed with DuroPrime.

Plasterboard sheets must be the correct sheeting for the installation and be used and installed in accordance to the manufacturer's written specifications. The surface must be primed with DuroPrime.

## EXISTING TILES

Tiles need to be sound and clean Remove all cracked, drummy or otherwise unsound tiles and repair appropriately. Prime surfaces using Duro Opti Primer. Contact Durotech Products before commencing if in doubt about required surface preparation.

## EXPANSION JOINTS

Must be installed in accordance with Australian Standard AS3958.1-2007.

Movement Joints must be placed from the substrate through the tile bed up to the face of the tile.

Movement joints must be clean and free from dirt, adhesive droppings and tile spacers. They must be a minimum of 6mm wide and no wider than 10mm. they should be filled with a suitable elastomeric sealant.

## MOVEMENT JOINTS MUST BE PLACED:

Every 4.5 metres externally and every 6 metres internally.

Around the perimeter of the floor; over existing joints in the substrate.

Where 2 different materials meet (e.g. wood and concrete).

Around fixtures in the substrate (e.g. columns).

Internal vertical corners; changes in direction of the tiling at changes in storey height.

Over existing movement joints.

## PRIMING

All porous surfaces should be primed using Duro prime (refer to Duro Prime data sheet for correct application) non porous surfaces should be primed using Duro Opti Primer (refer to Duro Opti Primer data sheet for correct application)

## MIXING

20kg of Durotile Mastik powder requires 4.5 litres of water

Always add powder to liquid

Allow to stand for 3min and then re-stir. Adhesive is now ready to use.

## APPLICATION

Once the substrate has been correctly prepared then apply the adhesive onto surface.

As a general guide use a minimum 10mm notched trowel for floor tiles and a minimum 6mm notched wall tiles.

Durotile Mastik can be applied at a bed minimum thickness between 2 to 10mm.

Tiles must be firmly pressed in the freshly troweled adhesive, slide the tile at a right angle to the notch pattern to ensure 100% coverage is achieved.

For tiles with uneven or lugs on the back of the tile may need to be buttered with adhesive as well.

## GROUTING

Commence grouting when tile adhesive has hardened sufficiently so that the tiles will not be dislodged. Duro Grout should be mixed with Duro Mix Additive as per grout packaging instructions.

## COVERAGE

A 20kg bag of Durotile Mastik will cover approximately 12m<sup>2</sup> on walls using a 6mm notched trowel and 7m<sup>2</sup> on floors using a 10mm notched trowel. The coverage will vary depending on substrate condition, tile type and application technique.

## SHELF LIFE

A bag of DuroMASTIC, when kept in a cool, dry environment, and stored above ground level, will have a shelf life of 12 months.

## CLEAN UP

Excess adhesive should be removed using a clean damp cloth while still wet.

Tools and other equipment can be cleaned up using water while the adhesive is still wet.

## PRECAUTIONS

Do not apply Durotile Mastik in temperatures below 5°C and above 35°C.

Durotile Mastik has an open time of 35 minutes and an adjustment time of 60 minutes. Please be aware of site conditions when considering times and only spread enough adhesive so that tiles can be fixed while the adhesive is still wet.

For applications or situations not mentioned in this data sheet please contact Durotech Products Pty Ltd.

For a full MSDS for Durotile Mastik please contact Durotech Products Pty Ltd.

Durotile Mastik being cement based is alkaline in nature, and therefore may cause dermatitis. It is recommended that applicators wear PVC gloves or similar and safety goggles.



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The information provided in this data sheet is correct at the time of printing (albeit is subject to change at any time) and is intended to give a simple description of the product and its capabilities. In practice, the substrate, intended surface to be treated and environmental conditions vary widely, making it essential for the user to determine the products suitability for a particular application and to ensure that the product is not used beyond its physical limitations. If in doubt contact the manufacturer. The product will perform as described herein provided it is applied in accordance with the manufacturer's instructions as stated in this data sheet and provided that the building and installation is structurally sound and the application is carried out competently. Durotech terms and conditions of sale apply.