

Technical data sheet



MASTERLAY FLEXIBLE SEMI-RAPID SET TILE ADHESIVE

Tarmac Blue Circle range Masterlay Flexible Semi-Rapid Set Tile Adhesive is a cement based flexible and rapid setting adhesive suitable for floor and wall tiling of natural stone, porcelain, ceramics and mosaics.

USAGE

Tarmac Masterlay Rapid Set Tile Adhesive can be used in the following applications:

- Indoor and outdoor use.
- Floors and walls
- Porcelain, ceramic, mosaic and natural stone tiles
- Over underfloor heating
- Swimming pool areas
- Over concrete and timber.

SPECIAL PROPERTIES

- No admix required, just add water
- Ready for grouting after approx 3 hours.

TYPICAL PERFORMANCE

TECHNICAL DATA (TESTED AT 20°C)	
Bed thickness	1mm to 15mm
Open time	90 minutes
Set time	3-4 hours
Ready for grouting	3 hours
Ready for use	24 hours
Colour	Grey

COVERAGE

One 20kg bag will cover approximately:

- 4mm notched trowel - 15m²
- 6mm notched trowel - 10m²
- 8mm notched trowel - 6m².

These figures are indicative only and depend on tile and substrate type and method of application.

PREPARATION AND PRIMING

All surfaces must be clean and sound and any friable material, laitance, oils or greases must be removed. The floor must be strong enough to support the weight of the tiles and sufficient drying time must be allowed for the background material to dry (refer to BS 5385 for drying times).

Porous surfaces must be primed with a suitable product such as Acrylic Primer. Other surfaces that must be primed are anhydrite and gypsum substrates and asphalt surfaces.

Non porous substrate must be primed with a slurry coat of 1 part Acrylic Primer mixed with 1 part Tarmac Masterlay Flexible Semi-Rapid Adhesive which should be applied thinly with a brush and allowed to dry.

Anhydrite floor screeds must have a moisture content no greater than 75% RH. All laitance and dust must be removed and the screed must be sealed with a suitable material such as an Epoxy Primer.

Timber flooring must be firmly fixed so that it will not move or distort. All exposed surfaces should be coated with a diluted coat (1:1 mixed with clean water) of Acrylic Primer.

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MIXING

Add 20kg of Tarmac Masterlay Flexible Semi-Rapid Adhesive to between 4.8 and 5 litres of cold clean water in a clean container whilst mixing. Mix with a drill and suitable mixing attachment for 2 minutes until a slump free creamy mortar is produced. Allow to stand for 2 minutes and then remix. Mix only sufficient material to be used in the working time and do not remix or rewet.

APPLICATION

Apply the adhesive with a trowel to the surface to be tiled and then comb through with a notched trowel. Press the tiles in place with a twisting and sliding action. The thickness of the bed and the size of the notched trowel used will be dependant of the type of tile being laid.

Do not apply in temperatures below 5°C or above 25°C. Frost free conditions are required during curing.

Remove adhesive from tools in water as soon as possible after use.

GROUTING

Leave for a minimum of 3 hours before grouting or walking on tiles. This time may be extended in cold conditions or if the area being tiled is impervious

QUALITY CONTROL

All Tarmac products are factory blended, tested and packaged to quality control procedures in accordance with BS EN ISO 9001.

CLEAN UP AND SPILLAGES

Dry powders should be swept up and disposed of in accordance with the Local Authority.

PACKAGING AND STORAGE

Tarmac Masterlay Flexible Semi-Rapid Adhesive is available in nominally 20kg sacks, palletised and shrink-wrapped.

Tarmac Masterlay Flexible Semi-Rapid Set Tile Adhesive should be stored in cool dry areas clear of the ground, sheeted or under cover and stacked not more than two pallets high.

The product should be used on a first in – first out basis. Shelf life is minimum 6 months but could be in excess of 9 months subject to temperature and humidity.

HEALTH & SAFETY

Health and safety advice, which must be followed, can be found on the Material Safety Data Sheet. Users are advised to wear face mask, goggles, gloves and overalls when handling, mixing and applying cementitious products. Contains Portland Cement. Contains Chromium (VI), which may produce an allergic reaction. Clothing contaminated by wet cement should be removed immediately and washed before reuse.

- R38 - Irritating to skin
- R41 - Risk of serious damage to eyes
- S26 - In case of contact with eyes, rinse immediately with water and seek medical advice
- S37/39 - Wear suitable gloves and eye/face protection
- S2 - Keep out of reach of children.

INFORMATION, PRICING & ORDERING

For technical information, pricing and to place orders contact our Sales Office on the following:

Telephone: **0345 812 6232**

Email: **info-cement@tarmac.com**

Tarmac Cement & Lime Ltd
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The information given in this technical data sheet is based on our current knowledge and is intended to provide general notes on our products and their uses. Tarmac endeavour to ensure that the information given is accurate, but accept no liability for its use or its suitability for particular application because of the product being used by the third party without our supervision. Any existing intellectual property right must be observed.