



Ceramic and Natural Stone Tiling Solutions

A comprehensive guide to
their selection and successful
installation



Master Builders Solutions

Master Builders Solutions

The Master Builders Solutions brand brings all of expertise together to create chemical solutions for new construction, maintenance, repair and renovation of structures. Master Builders Solutions is built on the experience gained from more than a century in the construction industry.

The know-how and experience of a global community of construction experts form the core of Master Builders Solutions. We combine the right elements from our portfolio to solve specific construction challenges. We collaborate across areas of expertise and regions and draw on the experience gained from countless construction projects worldwide. We at Master Builders Solutions leverage global technologies, as well as our in-depth knowledge of local building needs, to develop innovations that help make more successful and drive sustainable construction.

Market leading products are developed from technically advanced formulations, optimized for the harsh environmental conditions found in the Middle East.

Our Comprehensive Portfolio

- Concrete admixtures
- Cement additives
- Chemical solutions for underground construction
- Waterproofing solutions
- Sealants
- Tile fixing systems
- Concrete repair and protection solutions
- Performance grouts
- Performance flooring solutions
- Wall systems
- Fire protection systems





Adhesive selector by tile type

Generic tile type	Specific tile type	Typical moisture absorption %	MasterTile® ECO Grey & White	MasterTile® 4 Grey & White	MasterTile® 30 Grey & White	MasterTile® 30 Grey & White + MasterTile® A 200	MasterTile® 434 Grey & White	MasterTile® FLX 23 Grey & White	MasterTile® FLX 24 Grey & White	MasterTile® NTS 26 Rapid	MasterTile® 401	MasterTile® 706	MasterTile® 707	MasterTile® RSG 705
Ceramic tiles	Non-vitrified ceramic	> 10	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Semi-vitrified ceramic	6 to 10	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Vitrified ceramic	3 to 6	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Impervious	< 3	N	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Glazed mosaic	1 to 3	N	N	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Porcelain tiles	< 0.5	N	N	N	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Fully vitrified (homogeneous)	< 0.3	N	N	N	YYY	YYY	YYY	YYY	N	YYY	YYY	YYY	YYY
	Glass mosaic ¹	0	N	N	N	YYY	YYY	N	YYY	N	YYY	YYY	YYY	YYY
	Industrial tiles	Very low	N	N	N	YYY	YYY	YYY	YYY	N	Y ⁶	YYY	YYY	YYY
	Quarry tile ²	Very low	N	N	Y ^{2,4}	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Porous terracotta tile	Very high	N	N	Y ^{2,4}	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Large format floor tile	Varies	N	N	N	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Natural stone tiles	Stone mosaic ¹	Moisture absorption can be very high and can cause problems. please contact Master Builders Solutions	N	N	Y ^{2,4,5}	Y ⁵	Y ⁵	Y ⁵	Y ⁵	YYY	Y ⁵	YYY	YYY	YYY
	Reconstituted stone ¹		N	N	N	Y ⁵	Y ⁵	Y ⁵	Y ⁵	YYY	Y ⁵	YYY	YYY	YYY
	Travertine ¹		N	N	Y ^{2,4,5}	Y ⁵	Y ⁵	Y ⁵	Y ⁵	YYY	Y ⁵	YYY	YYY	YYY
	Marble ¹		N	N	Y ^{2,4,5}	Y ⁵	Y ⁵	Y ⁵	Y ⁵	YYY	Y ⁵	YYY	YYY	YYY
	Sandstone		N	N	Y ^{2,4,5}	Y ⁵	Y ⁵	Y ⁵	Y ⁵	YYY	Y ⁵	YYY	YYY	YYY
	Granite ¹		N	N	Y ^{2,4,5}	Y ⁵	Y ⁵	Y ⁵	Y ⁵	YYY	Y ⁵	YYY	YYY	YYY
	Limestone ¹		N	N	Y ^{2,4,5}	Y ⁵	Y ⁵	Y ⁵	Y ⁵	YYY	Y ⁵	YYY	YYY	YYY
Other	Concrete pavers		N	N	Y ^{2,4}	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY

1 Use white adhesive for translucent stone agglomerates or glass mosaics.

2 Floor applications only.

3 Suitable for fixing with adhesives.

4 Porous substrates only.

5 Non-moisture sensitive stone only.

6 Tiles with textured back.

For further information please contact Master Builders Solutions Technical Services Department or your local Master Builders Solutions representative.



Adhesive selector by application location

Location	Exposure conditions	MasterTile® ECO Grey & White	MasterTile® 4 Grey & White	MasterTile® 30 Grey & White	MasterTile® 30 Grey & White + MasterTile® A 200	MasterTile® 434 Grey & White	MasterTile® FLX 23 Grey & White	MasterTile® FLX 24 Grey & White	MasterTile® NTS 26 Rapid	MasterTile® 401	MasterTile® 706	MasterTile® 707	MasterTile® RSG 705
Internal		YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
External		N	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Walls		YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	N	YYY	YYY	YYY
Floors	Light traffic	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Floors	Heavy traffic	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Standard tiles	<0.2 m x 0.2 m	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Large format	>0.4 m x 0.4 m	N	N	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Terraces		N	N	YYY	YYY	YYY	YYY	YYY	YYY	Y	YYY	YYY	YYY
Mezzanine		N	N	YYY	YYY	YYY	YYY	YYY	YYY	N	YYY	YYY	YYY
Roofs		N	N	YYY	YYY	YYY	YYY	YYY	YYY	N	YYY	YYY	YYY
Wet Rooms	Residential	Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
	Industrial	N	N	Y	YYY	YYY	YYY	YYY	YYY	Y	YYY	YYY	YYY
Kitchens		Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Showers		Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Bathrooms		Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY	YYY
Swimming pools		N	N	N	YYY	YYY	YYY	YYY	YYY	N	YYY	YYY	YYY
Shopping malls		Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	Y	YYY	YYY	YYY
Schools / universities		Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	Y	YYY	YYY	YYY
Hotels		Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	Y	YYY	YYY	YYY
Airports		Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	Y	YYY	YYY	YYY
Industrial	Light duty	Y	Y	YYY	YYY	YYY	YYY	YYY	YYY	Y	YYY	YYY	YYY
	Heavy duty	N	N	Y	YYY	YYY	YYY	YYY	YYY	Y	YYY	YYY	YYY
	Chemical attack	N	N	Y	Y	Y	Y	Y	Y	Y	YYY	YYY	YYY

For further information please contact Master Builders Solutions Technical Services Department or your local Master Builders Solutions representative.



Tiling standards

EN 12004-2: 2017-05

Class	Description		
C 1	Normal cementitious adhesive.	C S1	Deformable cementitious adhesive.
C 1 F	Fast-setting cementitious adhesive.	C S2	Highly deformable cementitious adhesive.
C 1 T	Normal cementitious adhesive with reduced slip.	D 1	Normal dispersion adhesive.
C 1 FT	Fast-setting adhesive with reduced slip.	D 1 T	Normal dispersion adhesive with reduced slip.
C 2	Improved cementitious adhesive with additional characteristics.	D 2	Improved dispersion adhesive with additional characteristics.
C 2 E	Improved cementitious adhesive with extended open time and additional characteristics.	D 2 T	Improved dispersion adhesive with additional characteristics and reduced slip.
C 2 F	Improved fast-setting cementitious adhesive with additional characteristics.	D 2 TE	Improved dispersion adhesive with additional characteristics, reduced slip and extended open time.
C 2 T	Improved cementitious adhesive with additional characteristics and reduced slip.	R 1	Normal reaction resin adhesive.
C 2 TE	Improved cementitious adhesive with additional characteristics, reduced slip & extended open time.	R 1 T	Normal reaction resin adhesive with reduced slip.
C 2 FT	Improved fast-setting cement adhesive with additional characteristics and reduced slip.	R 2	Improved reaction resin adhesive with additional characteristics.
		R 2 T	Improved reaction resin adhesive with additional characteristics and reduced slip.

EN 13888: 2009-05 Tile Grouts

Class	Description		
CG 1	Normal cementitious grout.	CG2 A	Improved cementitious grout with additional characteristic of high abrasion resistance.
CG2	Improved Cementitious Grout	CG2 WA	Improved cementitious grout with additional characteristic of reduced water absorption & high abrasion resistance.
CG2 W	Improved cementitious grout with additional characteristic of reduced water absorption.	RG	Reaction resin grout.

Euro Norms Key

A	High abrasion resistance (Grouts).	E	Extended open time.
C1	Cementitious adhesive with >0.5 MPa initial tensile bond strength.	T	Reduced slip.
C2	Cementitious adhesive with >1.0 MPa initial tensile bond strength.	F	Fast Setting.
CG	Cementitious grout.	R	Resin (Epoxy).
D	Dispersion adhesive (Ready Mixed).	S1	Deformable.
		S2	Highly deformable.
		W	Reduced water absorption (Grouts).

Grouts: Examples of classification

RG	MasterTile® 707, MasterTile® RSG 705	CG2 WA	MasterTile® 545
CG 2	MasterTile® 530		

Adhesives: Examples of classification

C2FT	MasterTile® NTS 26 Rapid	R2T	MasterTile® 706
C2TE	MasterTile® FLX 23	R2T	MasterTile® 707
C2TE S1	MasterTile® FLX 24	R2T	MasterTile® RSG 705

American National Standard Specifications (ANSI) for the Installation of Ceramic Tile

ANSI A118.1 – 1992	For the Dry Set Portland Cement Mortar.	ANSI A118.8 – 1992	For Modified Epoxy Emulsion Mortar/Grout (Cement based epoxy polymer modified adhesive and grout).
ANSI A118.2 – 1992	For Conductive Dry Set Portland Cement Mortar.	ANSI A118.9 – 1992	For Cementitious Backer Units.
ANSI A118.3 – 1992	For Chemical Resistant, Water Cleanable Tile Setting and Grouting Epoxy and Water Cleanable Tile Setting Epoxy Adhesive (100% solid epoxy adhesive and Grout).	ANSI A118.10 – 1999	For Load Bearing, Bonded, Waterproof Membrane for Thin-Set Ceramic Tile and Dimensional Stone Installation.
ANSI A118.4 – 1992	For Latex Portland Cement Mortar.	ANSI A118.11 – 1999	For EGP (Exterior Grade Plywood) Latex Portland Cement Mortar.
ANSI A118.5 – 1992	For Chemical Resistant Furan Mortars and Grout for Tile Installation.	ANSI A118.12 – 1992	For Crack Isolation Membranes for Thin Set Ceramic Tile and Dimensional Stone Installation.
ANSI A118.6 – 1992	For Standard Cement Ceramic Tile Grouts.	ANSI A136.1 – 1999	For organic adhesives for the installation of ceramic tile.
ANSI A118.7 – 1999	For Polymer Modified Ceramic Tile Grouts.		

American National Standard Specifications (ANSI) for the Installation of Ceramic Tile

ANSI A118.1	MasterTile® 30	ANSI A118.4	MasterTile® 30 + MasterTile® A 200; MasterTile® FLX 23, MasterTile® 434
ANSI A118.3	MasterTile® RSG 705 MasterTile® 707	ANSI A118.7	MasterTile® 530
		ANSI A118.10	MasterTile® WP 668



Movement joints

The correct design and installation of movement joints are covered in many international standards and are essential for the successful completion of tiling projects. In this section, we will summarize the key recommendations from these standards.

Movement joints standards (examples)

- Internal Wall Tiling: BS 5385-1: 2009
- External Wall Tiling: BS 5385-2: 2006
- Interior and Exterior Floor Tiling: BS 5385-3: 2007

Why are movement joints necessary?

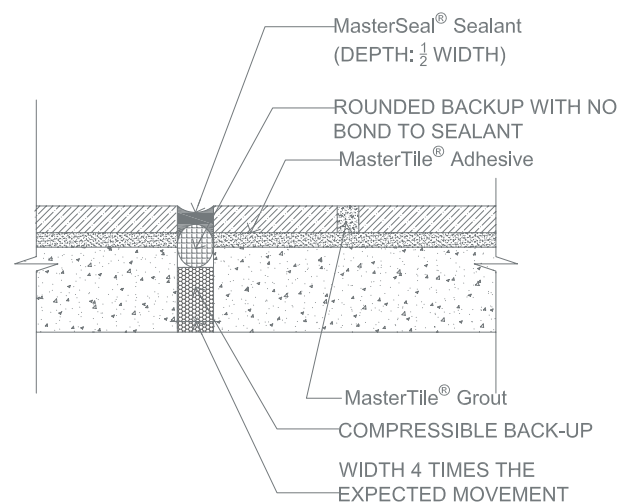
The above standards all agree that the provision of movement joints (also called expansion or perimeter joints) are essential at the design stage of a project. The type and location of movement joints involve considerations of construction materials, bedding systems, anticipated temperature and humidity conditions, areas concerned and the setting out of the tiling.

Note: Stresses occur in the tiled installation as a result of background movement due to such factors as drying shrinkage and moisture and thermal changes. These stresses can sometimes cause loss of adhesion, bulging or cracking of the tiling, but can be localized by incorporating movement joints. Where the background is mature and stable (e.g. existing render or plaster), the movement joints in the tiling, which are not to be confused with structural movement joints, might need to extend only through the tiling and its bed and should be a minimum of 6 mm wide.

Where should movement joints be located?

General:

Movement joints should be located in the tiled installation, to coincide and be continuous with all existing structural movement joints, although they are actually formed as separate joints isolated by suitable thicknesses of backup material. The movement joints should be able to accommodate expected movement and when detailing the location of movement joints in tiling, the designer normally specifies that they are positioned as follows:



Expansion joint diagram

Internal Walls:

- a) Over existing and/or structural movement joints.
- b) Where tiling abuts other materials.
- c) Where tiling is continuous across junctions of different backgrounds /substrates.
- d) In large tiled areas, at internal vertical corners and at 3 m to 4.5 m centers horizontally and vertically.
- e) Where stresses are concentrated, e.g. at changes of alignment.

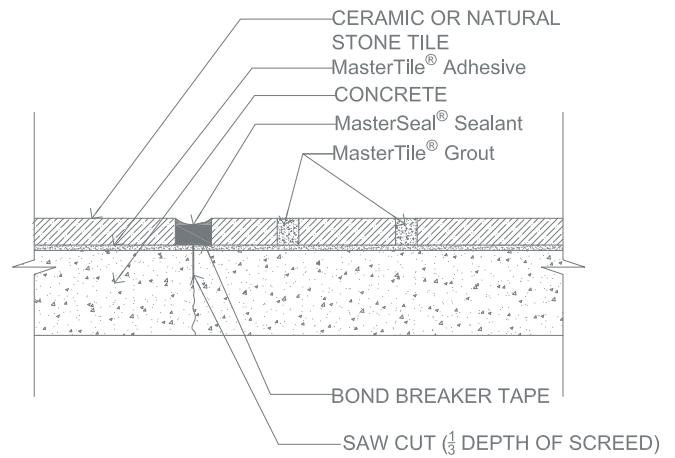
External Walls:

As above plus:

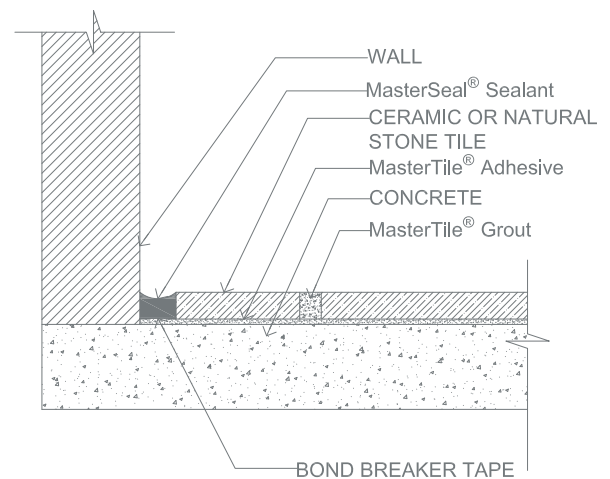
- a) Storey heights horizontally and approximately 3 m to 4.5 m apart vertically; ideally, they should be located over movement joints in the structural background and at structural material changes; for example, horizontal joint at top and bottom of floor slab, vertical joint at internal corners and at junctions with columns.
- b) External angles, vertically between 0.25 m and 1.0 m from the angle and symmetrically wherever possible.

Internal and External Floors:

- a) Over existing and/or structural movement joints; (Where this is not possible consult the building designer, engineer and your local Master Builders Solutions technical advisory center)
- b) Over supporting walls and beams
- c) At floor perimeters (not necessary on floors with area <2 m²) or other restraining elements e.g. columns, wherever possible coincident with structural features.
- d) Around boilers or other high temperature sources
- e) Intermediate joints are not necessary, with the exception of suspended floors, in floors with less than 10 m between perimeter joints. In larger floors divide into bays not greater than 10 m x 10 m.
- f) In heavy wheeled traffic areas choose joints with metal or plastic reinforcing edges N.B. other joints should not exceed 10 mm.
- g) In floors subject to significant thermal change e.g. atria, or with under-floor heating, the floor area should be divided up by movement joints into bays of size not greater than 40 m² with an edge length not greater than 8 m.



Crack control joint diagram



Perimeter joint diagram



Movement joint protected by metal divider strips and filled with MasterSeal® trafficable elastomeric joint sealants.



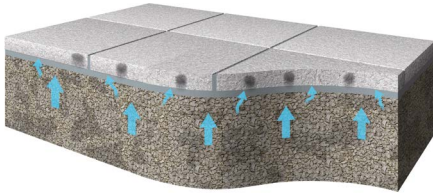
Natural stone



The challenges

Our better understanding of the properties of natural stone helps to overcome the challenge of gaining a perfect finish. Texture, porosity, mineral content, organic materials and lime, vary with the geological history (mineral type, temperature, pressure, duration and environment) of natural stones. If natural stone is exposed to water, this can be transported throughout the natural stones' capillary system.

The porosity determines the extent of the water transport, which has consequences regarding the natural stone properties.



Deformation

Water absorption can lead to deformation or curling, of the natural stone. The adhesive has to be able to compensate for any movement of the natural stone. In addition, certain agglomerated stone curls when in contact with moisture causing the tile to crack at the corners and edges.

Discoloration

Colored substances can migrate to the natural stone surface with the capillary water. Once the water evaporates, they become concentrated and will result in staining. These substances are either located within the natural stone or can migrate from the bedding mortar, grout or substrate.



Porosity leading to water migration can cause many problems in natural stone.

Efflorescence

Efflorescence is a particular form of discoloration caused by the migration of inorganic salts, e.g. free lime, in the capillary water, from the substrate, adhesive or the stone itself, to the surface of the tile where they crystallize and form unsightly white deposits.

Different stone types show different porosities



Staining in natural stone and reconstituted stone

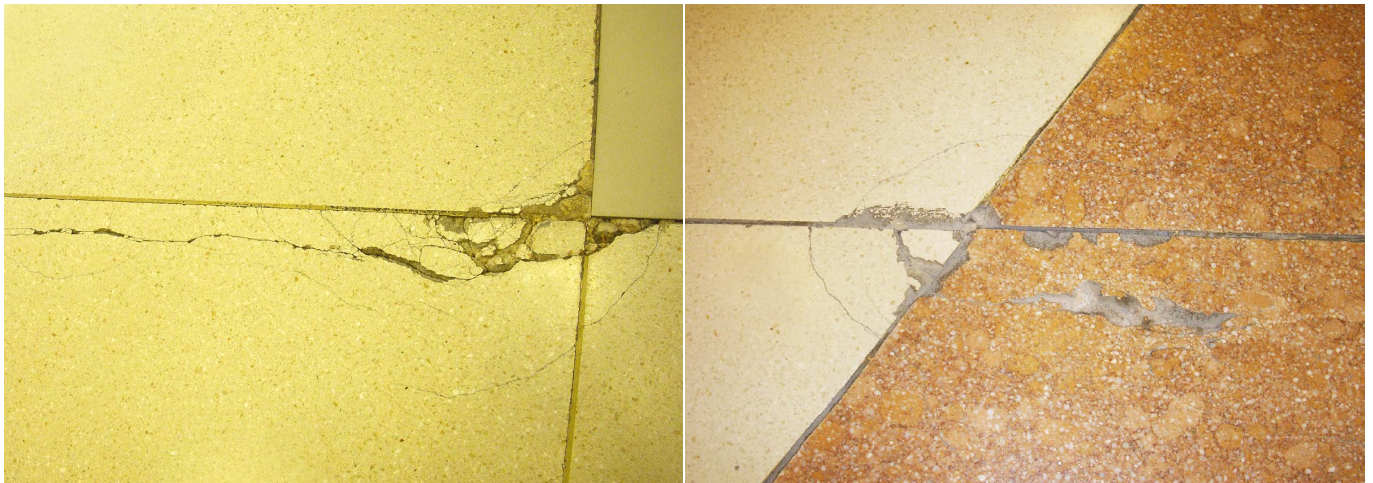




Reconstituted stone fixing

Reconstituted stone (also known as agglomerate stone) is manufactured by binding together natural stone particles in a matrix of clear thermoset resin. These tiles are often sensitive to moisture and can warp, resulting in the edges and corners of the tiles cracking.

Master Builders Solutions manufactures special adhesives especially designed for use with natural and reconstituted stone tiles including MasterTile® NTS 26 fast setting adhesive which minimizes the time the tile is exposed to moisture, thus reducing the opportunity for the problems described to occur.



Reconstituted stone can curl and then crack at the corners and edges

Reconstituted stone can curl



The straight edge in the photograph left illustrates how much a reconstituted stone tile can curl due to moisture sensitivity.

Please contact your nearest Master Builders Solutions representative for the latest advice on bedding your natural stone or agglomerate tiles.



High performance rapid tile & stone installation systems

The challenges

Modern large scale shopping malls and other commercial and institutional buildings demand long lasting durable solutions which can also be installed to very tight schedules.

Properties such as impact resistance, moisture and shrinkage control and ease of application, play a crucial role in ensuring a floor continues to perform without failure.

Renovation & maintenance

In addition, very often floors have to be repaired due to areas of failure and this poses the problem of disruption to business, as well as safety and aesthetic issues.

Master Builders Solutions' solution

Master Builders Solutions offers a range of rapid-setting, high-performance products that can be used on either 'new build' floor areas that will be subjected to high amounts of impact as well as floors that require rapid renovation and maintenance.

The BRE Screed Hammer Test for screed soundness

The most common reason that ceramic tile, natural stone and resilient floors fail is due to weak, poorly laid and badly compacted screeds.

The BRE Screed Hammer Test can detect screed problems and can categorise them according to their impact resistance. A heavily trafficked floor will be subjected to a high amount of impact for example a shopping mall floor, supermarket floor or an airport concourse etc., Floors such as these are required to pass the BRE Screed Hammer Test to a Category A Class for impact resistance in order to avoid a screed failure.

Correctly applied Master Builders Solutions MasterTop® 518 and MasterTop® 548 Screed Systems will pass the BRE Screed Hammer Test to a CAT A impact resistant screed after only 3 days.



BS 8204 gives guidance on the type of use of a floor and its associated acceptance limits after four drops of the BRE Hammer weight. The depth of indentation is measured with a purpose-made mechanical gauge.

Drop weight = 4 kg
Drop height = 1000 mm
Contact area of anvil = 500 mm²

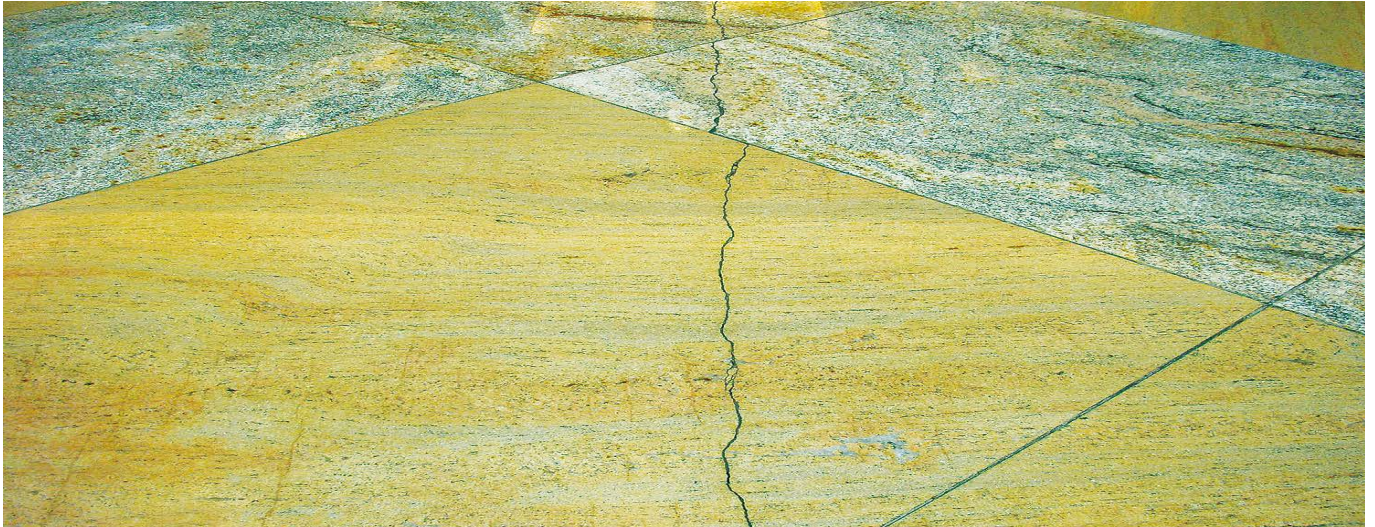


BRE screed hammer Kit

Category B.S. 8204	Acceptable limit after 4 drops indentation should not exceed	
	Random test	Grid test
A	2 mm	3 mm
B	3 mm	4 mm
C	4 mm	5 mm

Shrinkage control

Screed and Adhesive Systems minimize the risk of floor failure due to shrinkage.



Cracks caused by shrinkage in the adhesive or screed.



Master Builders Solutions offers a full system of screed, adhesive and grout ensuring no impact damage, moisture problems and shrinkage problems, all backed up by a 'Full System Single Source Supplier Warranty' to produce a durable floor that will remain as beautiful as the day it was installed.

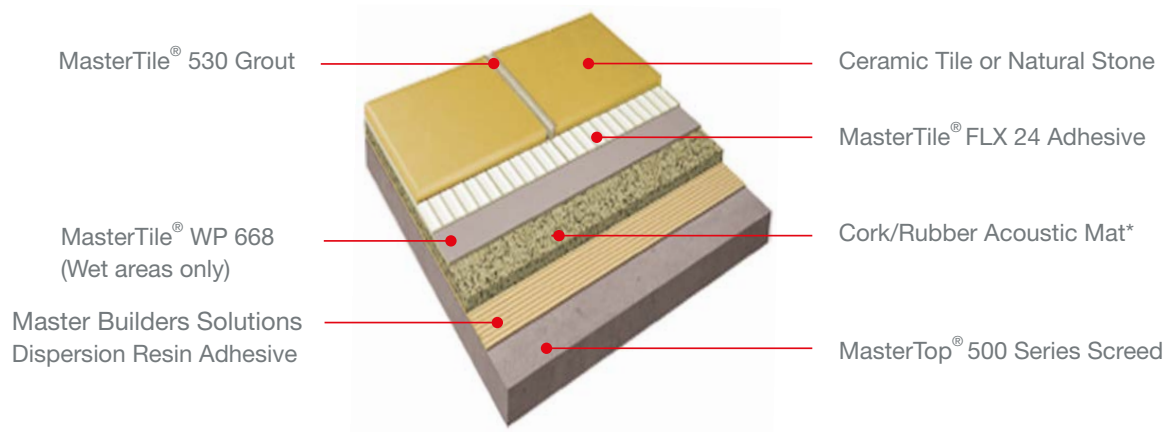


Full system acoustic solutions

There is an ever increasing need to insulate the buildings of today against sound transmission through concrete slabs. We can provide the screeds and adhesives as part of a single-

source supplier system to insulate sound on any floor covering e.g. Natural Stone, Ceramic Tile, Wooden Floor etc.

Standard Acoustic Mat System*



* Please contact your local Master Builders Solutions Representative to discover which acoustic mat brands are compatible with the Master Builders Solutions Acoustic System.





Solutions for modular construction

Modular (prefabricated) construction of bathroom, shower and other units, (often called "pods") is increasingly being used for fast-track residential and commercial projects.

Pod manufacturers demand high quality, reliable materials which can stand up to the stresses of transportation and site installation without compromising the watertightness of the units.

MasterTile WP 668, single component, flexible coating and MasterTile FLX 24, our highly polymer

modified deformable adhesive, (EN 12004; C2TE S1 classification) are an ideal system solution for this style of construction.

MasterTile WP 668 is the ideal flexible waterproof coating used by modular pod manufacturers to ensure that the watertightness is maintained.





Comprehensive product range

Guaranteed product compatibility and performance.

At Master Builders Solutions we recognize that successful tiling projects demand more than simple adhesives and grouts. A wide product range provided by a single source supplier guarantees product compatibility and performance, giving clients, owners and contractors alike the confidence to choose full system build-ups. Simplified logistics and unified technical support also reduce the complexity of the projects significantly.

Product range:

- Primers and additives: MasterTile® P 302, MasterTile® A 200, MasterTile® P 303, MasterTop® 500
- Screeds and levelling compounds: MasterTop® 518, MasterTop® 548, MasterTop® 528, MasterTop® 538, MasterTop® 541
- Integrated waterproofing solutions for tiling and natural stones: MasterTile® WP 668, MasterSeal® 588





Primers & additives

Suitable preparation and priming is essential when high performance and long term durability is expected. The Master Builders Solutions range of primers, additives and bonding slurry will assist you to achieve the robust performance and long term durability required.

MasterTile® P 302	Modified acrylic resin dispersion primer for use on porous substrates.
MasterTile® P 303	Special wash primer for smooth, non-porous substrates. e.g. tile on tile installations.
MasterTile® A 200	Multi use water resistant latex additive and bonding agent for cementitious mortars.
MasterTop® 500	Cement based slurry bonding agent for screeds and cementitious mortars.



Primers and additives

MasterTile® P 302

Acrylic emulsion wash primer for walls and floors.

- Single component, easy and economical to use.
- Aids consolidation of porous substrates.
- Increases adhesion of tile adhesives and levelling compounds.
- Prevents rapid absorption of mixing water into substrate.
- Solvent free; low VOC's, low odour.



Product description

A multi-purpose acrylic moisture barrier/primer for use before tiling or installation of cementitious levelling compounds. It protects against the rapid loss of mixing water from thin-bed tile adhesives and levelling compounds through absorption of water by porous, absorbent substrates. It also increases open time, improves adhesion and prevents formation of shrinkage cracks. Its blue colour allows easier coverage control.

Typical uses

Priming and sealing porous substrates, such as cementitious renders and screeds, gypsum based plaster and plasterboards, mastic asphalt and anhydrite screeds prior to tiling, to improve adhesion and prevent premature drying and shrinkage cracking of thin bed mortars and toppings.

Typical technical data*

Approximate consumption / dilution rates	Dilute according to substrate e.g. <ul style="list-style-type: none"> • 80 to 150 ml/m² Gypsum, anhydrite, mastic asphalt: use undiluted • Sand cement screeds, renders, aerated concrete: dilute 1:1 with water 1st coat: 100 – 200ml/m ² , 2nd coat (where needed), 50 – 70 ml/m ²
Working temperature	+5°C to +40°C
Curing time	Walkable after approx. 30-60 minutes Waiting time for 2nd coat approx. 30-60 minutes Ready for further application after approx. 60 – 180 minutes (depending on absorbency of substrate, temperature and humidity)
Colour	Milky blue emulsion
Packaging	20 L

* Check product data sheet for application instructions and additional information.

MasterTile® P 303

Special wash primer for smooth, non-absorbent substrates.

- For priming impermeable, nonabsorbent coverings such as terrazo, ceramic tiles and flagstones, glazed clinker bricks, natural stone and cast stone, substrates with adhesive residues as well as asphalt tiles or firmly bonded, roughened PVC coverings.
- For tile on tile applications using MasterTile cementitious adhesives.
- For use with MasterTop cementitious screeds.
- For indoor and outdoor use on walls and floors.
- Solvent free, low odor, low emission formula.
- Rapid drying: tack free after only 30 minutes.



Product description

Specially engineered acrylic emulsion wash primer for ensuring adhesion of cementitious, MasterTile tile adhesives and MasterTop floor screeds on smooth non-absorbent substrates.

Typical uses

For indoor and outdoor use on walls and floors especially for priming impermeable, non-absorbent coverings such as terrazo, ceramic tiles and flagstones, glazed clinker bricks, natural stone and cast stone, substrates with adhesive residues as well as asphalt tiles or firmly bonded, roughened PVC coverings before installation of MasterTop cementitious screeds and/or MasterTile cementitious adhesives.

Typical technical data*

Approximate consumption	Approx. 8 – 10 m ² / L
Dilution rate	Do not dilute. Use as supplied
Number of coats	1
Working temperatures	+5°C to +40°C
Drying time	Approx. 30 minutes @ 25°C
Packaging	5 L and 20 L

* Check product data sheet for application instructions and additional information.

Primers and additives

MasterTile® A 200

Multi use water resistant latex additive for cementitious tile adhesives, mortars and screeds.

- Increased adhesion.
- Improves flexibility.
- Improves chemical resistance.
- Improves water resistance of mortars.
- Economical.
- Non-toxic.



Product description

MasterTile A 200 is a specially formulated latex polymer emulsion containing fungicides and defoaming agents.

Typical uses

1. To improve watertightness, abrasion and bond of site batched sand cement screeds, bedding mortars and tile grouts.*
2. To improve the performance, e.g flexibility, watertightness and bond of simpler prebagged tile adhesives such as MasterTile ECO, MasterTile 4 and MasterTile 30 to allow these products to be used with increased confidence in critical situations e.g MasterTile 30 in swimming pools, or critical wet room applications.*

N.B. Where consistency of performance is needed Master Builders Solutions recommend factory quality controlled materials or choosing the correct higher specification material from the MasterTile range.

Typical technical data*

	Product	Type	Fine sand	Portland Cement	MasterTile A 200
Approximate consumption and mix ratios for site batched mortars, tile adhesives and grouts	Tile Grout	Up to 3 mm	50 kg	50 kg	10 L
		Up to 12 mm	100 kg	50 kg	10 L
	Tile Adhesive	Thin Bed	50 kg	50 kg	10L 1:1 water
		Thick Bed	50 kg	150 kg	10L 1:1 water
Working temperature	+5°C to +35°C				
Curing time	Walk-on time 24h @ 23°C				
Colour	Milky white emulsion				
Packaging	Available in 18 L pails and 210 L drums				

* Check product data sheet for application instructions and additional information.

MasterTop® 500

High strength bonding slurry for screeds and mortars.

- High strength, secure bonding.
- Waterproof and frost-resistant.
- For use on walls and floors.
- Internal and external use.
- Simple to use; just mix with water.



Product description

A single component, cementitious, mortar-bonding slurry coat for high strength bonding of cement screeds, toppings, renders and repair mortars. Once it has been mixed and brushed on to the substrate, the screed mortar must be applied on to the fresh bonding agent immediately while still wet.

Typical uses

For internal and external use on walls and floors as a bonding agent for cement based bonded screeds, toppings, renders and mortars in industrial/commercial areas. Sloping screed on balconies and terraces. Compatible with fast-setting e.g. MasterTop 500 series pre-bagged screeds and conventional site-batched cement screeds and sand/cement mortars.

Typical technical data*

Approximate consumption	2.0 - 2.5 kg of dry powder / m ²
Mixing ratio	± 6 L per 25 kg sack
Working temperature	+5°C to +30°C substrate air temperature
Working time	Approximately 1 hour
Curing time	Approximately 24 hours
Colour	Grey
Packaging	25 kg

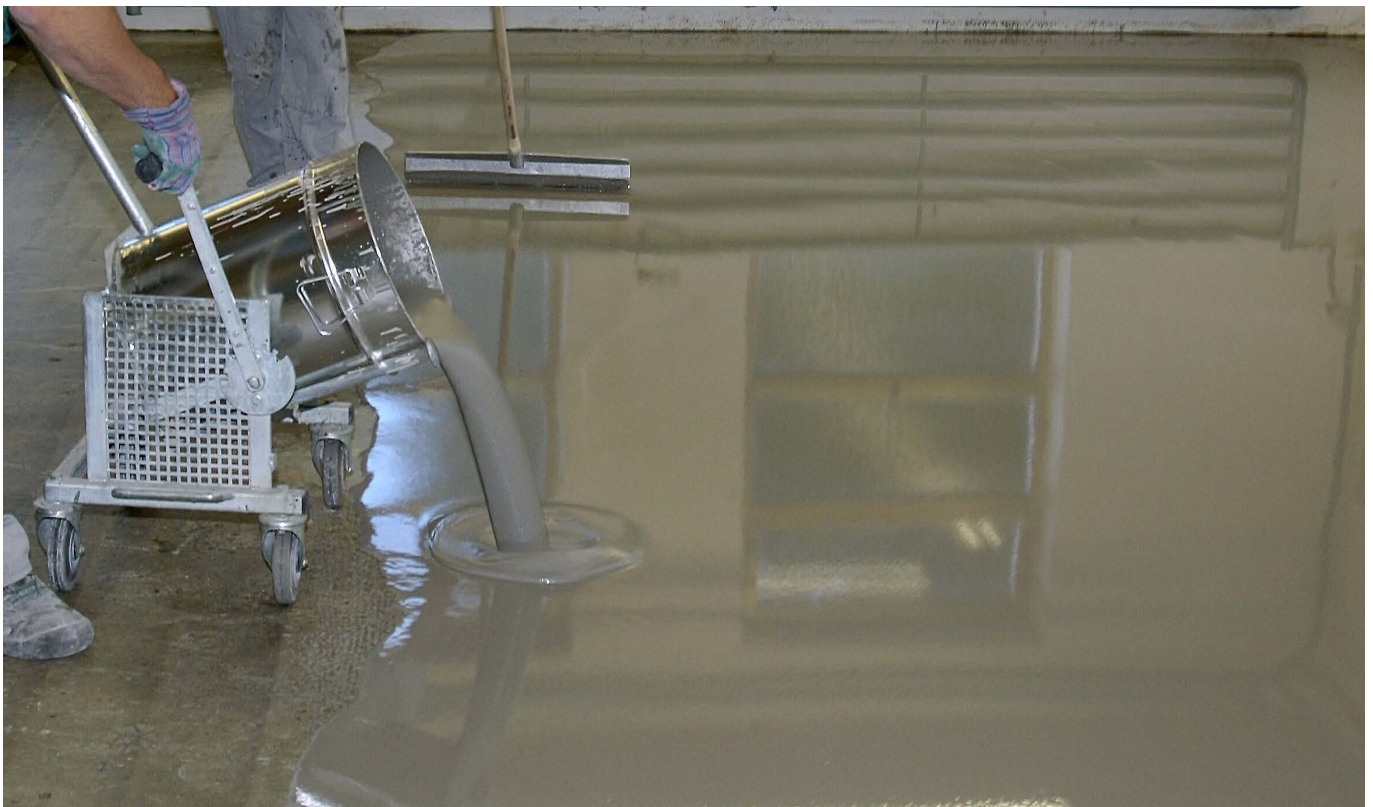
* Check product data sheet for application instructions and additional information.



Screeds and levelling compounds

MasterTop screeds and levelling compounds consist of a versatile range of cementitious floor systems to suit all types of projects and budgets. Formulated for application in Middle East conditions, they are user-friendly all year round. Owing to their low mixing water requirements, failures such as poor strengths, shrinkage cracking and curling and other common problems are eliminated.

MasterTop® 518	Formulated cement binder for site-mixed, fast setting floor screeds.
MasterTop® 548	Fast setting screed mortar - ready blended for fast track cementitious screeds.
MasterTop® 528	Commercial grade self smoothing cementitious floor underlayment.
MasterTop® 538	Industrial grade self smoothing cementitious floor underlayment.
MasterTop® 541	Fast setting, premixed, ready-to-use 10 - 80 mm screed.



Self smoothing MasterTop 528: simple, fast and economic floor levelling.

Screeds and levelling compounds

MasterTop® 518

Formulated cement binder for site-mixed, fast setting screeds.

- Produces a fast track screed with the addition of sand.
- Internal and external use.
- Can withstand operating temperatures of -30°C to +80°C.
- Water resistant.
- Walkable after 24 hours.
- Can be tiled after 3 days.



Product description

A fast-setting cement concentrate mix which when mixed with correctly graded sands provides fast setting cement screeds from 10-160 mm, with enhanced properties e.g. reduced waiting time for tiling and covering compared to usual cement screeds. Set modifying additives provide extended workability, which means it can be worked with, and finished for almost an hour.

Typical uses

For fully bonded, and “floating” screeds installed on a separation or insulation layers (also heated screeds). Indoor or outdoor use. For directly trafficked areas exposed to permanent wetness and temperature variations: balconies, terraces, garages, heated screeds and steam cleaned industrial floors. As underlayment for tiled systems and other floor toppings.

Typical technical data*

Approximate consumption	2.8 kg/m ² per cm layer thickness @ 1:6 parts by weight powder : aggregate ratio
Mixing ratio	MasterTop 518: sand at a mixing ratio of 1:6 (parts by weight) plus 14.2 L of water for C35-F6 classified screed
Working temperature	+5°C to +30°C
Curing time	Walkable after < 1 day Ready for tiling @ 3 days (when < 2% residual moisture)
Colour	Grey
Packaging	25 kg

* Check product data sheet for application instructions and additional information.

MasterTop® 548 / 541

Pre-mixed fast setting, floor screed and floor repair mortars.

- Rapid setting and high early strength.
- Walkable after approx. 3 hours.
- Can be tiled after 24 hours.
- For internal and external use.
- For screeds 10 mm to 80 mm thick.
- For bonded, unbonded and floating screeds.
- Factory quality controlled mix for consistent performance.



Product description

Two ready to use (just add water) fast setting floor screeds which can be applied from 10 to 80mm. MasterTop 548 provides a slightly stronger screed (35N/mm²) compared with MasterTop 541 (25N/mm²).

Typical uses

Indoor and outdoor use and areas exposed to permanent wetness: swimming pools, balconies, terraces etc. Rapid-curing bonded screeds and screeds installed on a separation or insulation layer. Heated screeds, garages, and steam cleaned industrial floors. Can be pump applied on larger areas and laid to falls when needed.

Typical technical data*

	MasterTop 548	MasterTop 541
Approximate consumption @ 10 mm	22.1 kg/m ²	23.0 kg/m ²
Mixing ratio per 25 kg	2.0 L	2.0 L
Compressive strength @ 28 days	35 N/mm ²	25 N/mm ²
BS EN 13813 class	CT-C35- F6	CT-C25- F5
Impact Resistance BRE Test	Class A	Class A
Curing time	Walkable at 3 hours. Can be tiled after 3 days (typically <2% moisture)	
Colour	Grey	Grey
Packaging	25 kg	25 kg

* Check product data sheet for application instructions and additional information.

Screeds and levelling compounds

MasterTop® 528

Commercial grade self-smoothing cementitious floor underlayment.

- Highly fluid and pumpable for fast installation.
- Rapid strength gain for fast installation of tile adhesives and other floor coverings.
- Low installed cost.
- Ready for foot traffic after only 3-4 hours.
- Return to service in 24 hours.
- Suitable for most carpet and tile adhesives.
- Ideal for finishing, refurbishing and levelling rough undulating floors.



Product description

MasterTop 528 is a self-smoothing, cementitious, non-structural, floor underlayment for use over poured in-situ and precast concrete floors which will be covered by resin overlays, carpet, vinyl, ceramic tiles or natural stone. Only water needs to be added on site to obtain the desired consistency for pumping or pouring installation. MasterTop 528 is applied at thicknesses from 2 mm - 30 mm.

Typical uses

For levelling, repairing and refurbishing new and existing floors prior to using other floor toppings. Used in residential, commercial and institutional buildings e.g. apartments, hotels, shopping malls, schools, universities, hospitals, galleries, museums, prisons, etc.

Typical technical data*

Approximate consumption	1.69 kg powder per m ² per mm thickness.
Mixing ratio	5.5 L of water with 25 kg MasterTop® 528 will yield 15 L mixed product = 5 m ² @ 3 mm thick
Compressive strength @ 28 days	20 N/mm ² category C20 BS EN 13892
Flexural strength	> 4 N/mm ² category F4 BS EN 13892
Working temperature	+5°C to +35°C
Curing time	Walkable after 3 hours. Ready for tiling after approx. 2% residual moisture content after approx. 3 days
Colour	Grey
Packaging	25 kg

* Check product data sheet for application instructions and additional information.

MasterTop® 538

Industrial grade, higher strength, self-smoothing 4 mm – 40 mm cementitious floor overlay.

- Highly fluid and pumpable for fast installation.
- High early and final strengths for heavy duty use.
- Ready for foot traffic after 3-4 hours.
- Rapid cure; return to service in 24 hours.
- Self-smoothing.



Product description

MasterTop 538 is a self-smoothing, cementitious, non-structural, floor overlay for re-levelling and refurbishing cementitious based floor slabs. MasterTop 538 can be laid at thicknesses from 4 mm - 40 mm when hand applied or 6 mm - 40 mm when pump applied. As an industrial floor, MasterTop 538 simply requires coating with a resin based seal coat.

Typical uses

For high strength levelling, repairing and refurbishing new and existing floors prior to using other floor toppings. Used in industrial, residential, commercial and institutional buildings e.g. light industrial factories, apartments, hotels, shopping malls, schools, universities, hospitals, galleries, museums, prisons, etc.

Typical technical data*

Approx. consumption	2.1 kg of dry powder per mm thickness
Mixing ratio	5 L of water per 25 kg sack MasterTop® 538 yields 14.1 L of mixed product i.e. 3.5 m ² at 4 mm thick
Compressive strength	15 N/mm ² @ 1 day 35 N/mm ² @ 28 days
Flexural strength	> 4 N/mm ² @ 1 day, > 6 N/mm ² @ 28 days
Working temperature	+5°C to +35°C
Curing time	Walkable after 3 hours @ 23°C, 50% RH
Colour	Grey
Packaging	25 kg

* Check product data sheet for application instructions and additional information.



Swimming pools provide severe challenges: movement stresses, water and chemical attack, aesthetics.



Integrated waterproofing solutions for tiling and natural stones

Tiles and natural stone finishes are often used in wet areas including showers, swimming pools and water features because of their low water absorption and ease of cleaning. So, it is important that the appropriate waterproof coating is applied under the tile or stone finish to protect the substrate and reduce the risk of consequential damage to furniture or equipment in rooms below. Master Builders Solutions has a comprehensive range of waterproof coatings, specifically suitable for internal and external under-tile waterproofing needs.

MasterTile® WP 668	Waterproof, flexible protective coating under all tile and natural stone coverings in kitchens, showers and bathrooms.
MasterSeal® 588	Two components, acrylic modified flexible cementitious waterproof membrane for concrete and masonry in internal and external locations.



Integrated waterproofing systems for tiling

MasterTile® WP 668

Waterproof flexible protective coating.

- Ready to use, easy to apply.
- Protects substrate in wet areas.
- Ideal for wet rooms.
- Helps tile isolation.
- Water-borne, solvent-free.
- Crack-bridging.

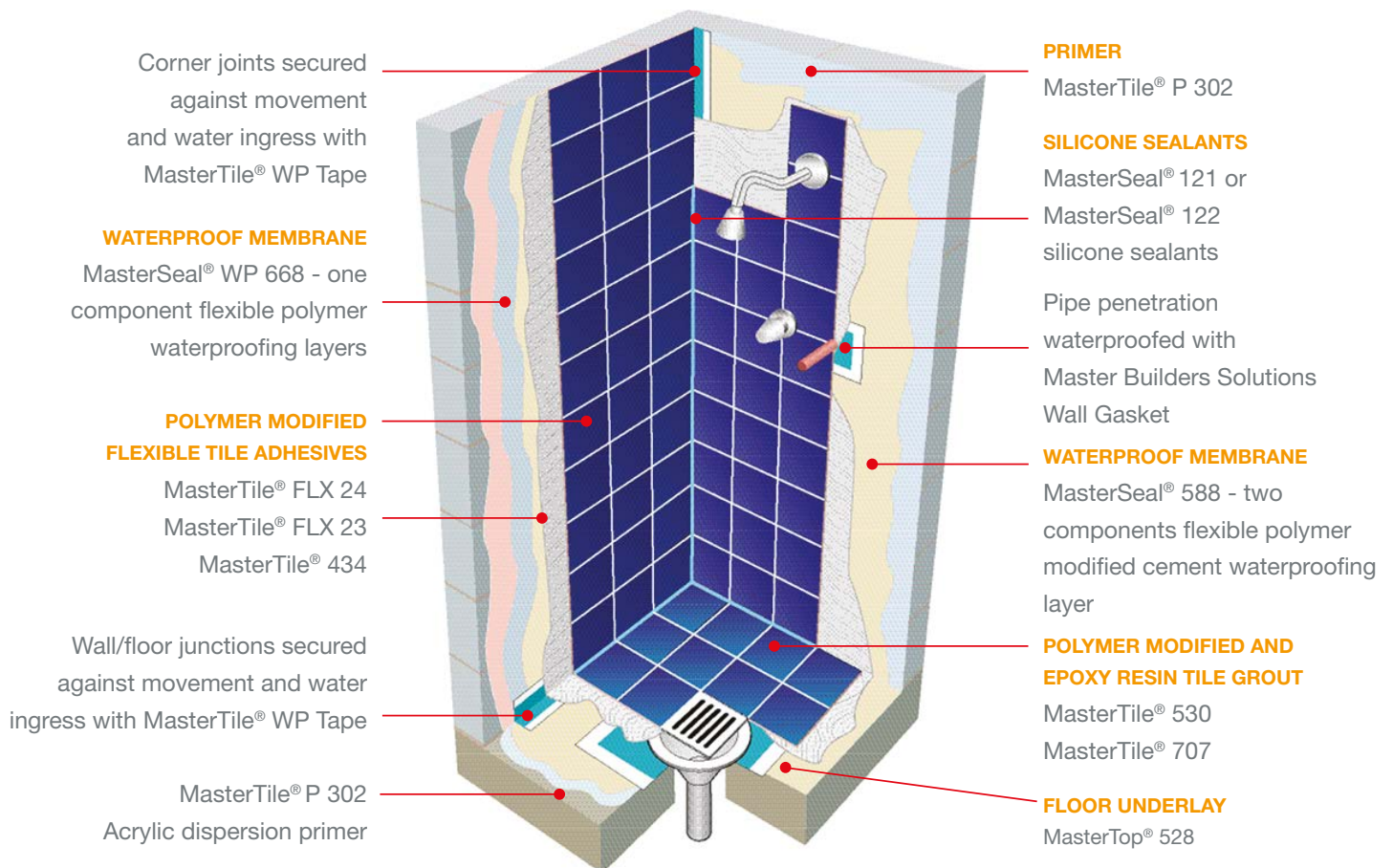


Uses

Wet areas not exposed to pressurised water: bathrooms, domestic showers, hotels and hospitals. For indoor use on walls and floors, substrates include plaster, plaster board, braced timber, sand/cement screed, block work and concrete. Not suitable for use in swimming pools.

This tanking system protects moisture-sensitive substrates. The membrane-forming liquid is easily applied by brush, roller or trowel before fixing tiles and is ready for tiling after overnight drying. MasterTile® WP 668 is used in conjunction with Master Builders Solutions Sealing Tape and accessories gaskets. Also available in kit form.

Approx consumption	1 – 1.2 kg/m ²
Working temperature	+5°C to +40°C (substrate temperature)
Color	Grey
Packaging	25 kg



Fully integrated, waterproofing systems used in a bathroom incorporating flexible liquid applied membranes, tapes, joint sealants, flexible tile adhesives and grouts.

Integrated waterproofing systems for tiling

MasterSeal® 588

Highly elastomeric, acrylic modified waterproofing.

- Internal and external use.
- Easy application by brush or roller.
- Suitable for walls and floors.
- No reinforcement matting required.
- Flexible, crack bridging and absorbs movement in substrates.
- Ideal for tiled swimming pools.



Product description

A two-part, highly elastic, crack bridging, polymer rich, cement based waterproofing system which is ideal as part of high performance waterproof tiling systems in critical applications e.g. swimming pools, industrial wet process, large scale public bathrooms, changing rooms, commercial kitchens etc. Applied by brush or trowel, it can be tiled after 24 hours. Should be used in conjunction with MasterTile WP Tape and gaskets where required. (see diagram).

Typical uses

Swimming pools, external basement walls, wet rooms, retaining walls, foundations, mezzanine roofs, tiled roofs. Under tiles on cantilever balcony slabs, terraces, mezzanines and roofs; coating solid non-drinking water tanks; crack-bridging waterproofing in showers etc.

Typical technical data*

Approximate consumption	1.68 kg of mixed material / m ² / mm wet film thickness
Number of coats	2
Water permeability	BS EN 12390 Part 8: Nil
Crack bridging	EN 14891 A.8.2: > 0.6 mm ASTM C836/C1305 > 1.5 mm (with reinforcing mesh)
Working temperature	+5°C to +35°C
Curing time	Pot life: 60 minutes Over tiling: 24 hours
Colour	Grey
Packaging	25 kg powder + 10 L polymer liquid

* Check product data sheet for application instructions and additional information.

MasterTile® WP Tape and accessories

Elastic, preformed, waterproofing tape system.

- Fleece-lined rubber tape.
- Crack-bridging, high security if cracks in the substrates form at a later stage.
- Waterproof and resistant to frost.
- Resistant to ageing, insensitive to environmental influences.
- Preformed gaskets for pipe and drain penetrations available.



Product description

MasterTile® WP Tape sealing tape is a waterproofing tape system for corner and perimeter joints, pipe culverts and floor drains. It is embedded in the waterproof coatings, MasterTile WP 668 or MasterSeal 588.

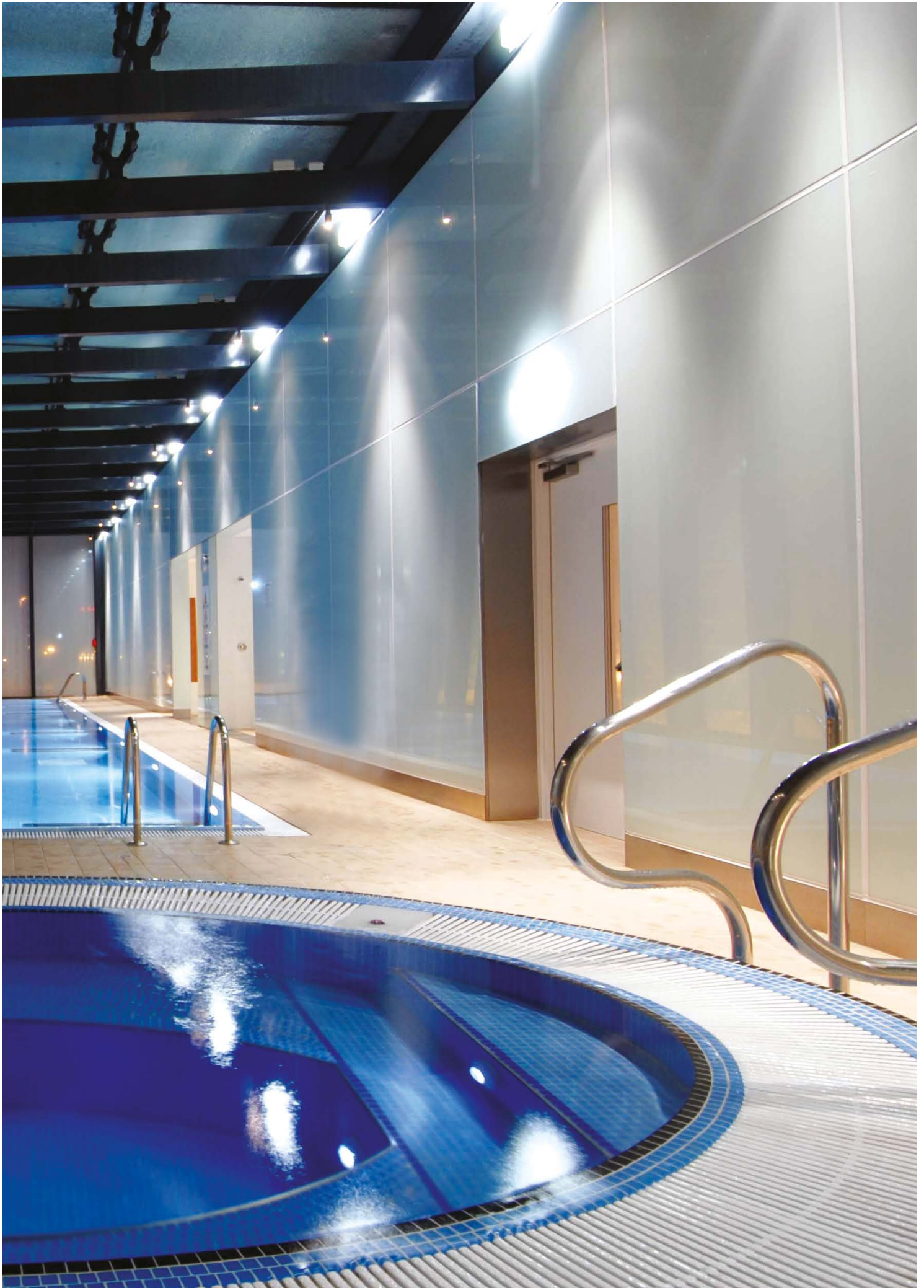
Typical uses

For indoor and outdoor use on walls or floors. MasterTile WP Tape can be used in wet areas with non-pressurised water such as showers, in residential buildings, hotels and hospitals or for permanently wet areas with pressurised water such as swimming pools.

Typical technical data*

Colour	Blue
Elongation at break	>200%
Packaging	200 mm x 50m roll /100 mm x 10 m roll

* Check product data sheet for application instructions and additional information.



Swimming pools provide severe challenges: movement stresses, water and chemical attack, aesthetics.



Adhesives

When it comes to adhesives, selecting the most appropriate type for the tile or natural stone is not only crucial to ensure that the adhesion performance and durability is up to the demands of the project but also to ensure that the adhesive will not change the appearance of the tiles or natural stone. The MasterTile range is locally formulated for good workability and high performance in Middle East conditions. Included in our range are adhesives to exceed both ANSI and BS EN 12004 requirements, ensuring that Master Builders Solutions have the correct adhesives for all your project needs.

MasterTile® ECO	Low cost, economic, cementitious tile adhesive for ceramic tiles.
MasterTile® 4	Cementitious tile adhesive with polymer additive for ceramic tiles.
MasterTile® 401	Cementitious flooring mortar for medium to thick bed (4 – 40 mm) fixing of tiles and pavers.
MasterTile® 30	Cementitious, polymer modified tile adhesive for non-vitrified and vitrified tiles and porcelain mosaic.
MasterTile® NTS 26 Rapid	Rapid setting, medium bed mortar for ceramic and porcelain tiles and natural stones.
MasterTile® 434	High performance single component latex polymer modified tile adhesive to fix all types of non-moisture sensitive natural stone.
MasterTile® FLX 23	Flexible high performance multi-purpose adhesive.
MasterTile® FLX 24	Deformable, very high performance multi-purpose tile adhesive suitable for all substrates and tile types.



Adhesives

MasterTile® ECO

Low cost, economic, cementitious tile adhesive for ceramic tiles.

- Economical.
- Water resistant.
- Precision made.
- Easy to use.
- For ceramic tiles >3% water absorption on internal walls and floors.



Product description

MasterTile® ECO is a low cost, cementitious ceramic tile adhesive formulated with carefully selected and graded fillers and additives to provide low cost everyday ceramic tile adhesive.

Typical uses

For the fixing of standard ceramic wall and floor tiles (>3% water absorption) in internal applications. Suitable for domestic, residential and light commercial uses. MasterTile ECO can be used in domestic kitchens, bathrooms and showers. For external applications use MasterTile 30.

Typical technical data*

Approximate consumption: kg powder / m ²	Required notch size	kg / m ² powder
	4 mm	2.20
	6 mm	3.30
	8 mm	4.40
	Solid bed fixing	
	3 mm	5.10
	6 mm	10.20
Mixing ratio and yield	20 kg bag mixed with 3.6 - 4.0 L of water yields 13.8 – 14.1 L of mixed adhesive	
Working temperature	+5°C to +35°C	
Curing time	24 hours before grouting	
Colour	Grey and White	
Packaging	20 kg	

* Check product data sheet for application instructions and additional information.

MasterTile® 4

Cementitious tile adhesive with polymer additive for ceramic tiles.

- Water resistant.
- Precision made.
- Easy to use.
- Economical.
- For internal walls and floors.
- High initial adhesive bond strength complies with EN 12004 C1.



Product description

MasterTile 4 is a cementitious powder formulated with special organic polymer additives to provide a high-performance adhesive for a wide range of applications.

Typical uses

Fixing of standard ceramic wall and floor tiles (> 3% water absorption) in internal applications. MasterTile 4 may be employed with confidence in institutional or high traffic conditions. MasterTile 4 is suitable for use in kitchens, showers and wet process areas. For external applications use MasterTile 30.

Typical technical data*

Approximate consumption: kg / m ² powder	Required notch size	kg / m ² powder
	4 mm	2.32
	6 mm	3.52
	8 mm	4.80
	Solid bed fixing	
	3 mm	5.40
	6 mm	10.80
Mixing ratio and yield	20 kg bag mixed with 3.6 - 4.0 L of water yields 13.1 - 13.3L of mixed adhesive	
Working temperature	+5°C to +35°C	
Curing time	24 hours before grouting	
Colour	Grey and White	
Packaging	20 kg	

* Check product data sheet for application instructions and additional information.

Adhesives

MasterTile® 401

Cementitious flooring mortar for medium to thick bed (4 – 40 mm) fixing of tiles and pavers.

- Precision made.
- Easy to use.
- Very good adhesive bond strength > 0.5 N/mm² initial tensile bond strength.



Product description

MasterTile 401 is a blend of special cements and carefully graded fillers for high performance thick bed fixing of tiles and pavers in a wide range of applications.

Typical uses

MasterTile 401 is suitable for internal and external floor applications. It can be used as a pourable mortar, making it easier to achieve a solid bed for high traffic applications. It can also be used to pre-level localized areas before fixing tiles or pavers. It is suitable for use in kitchens, showers and wet process areas as well as terraces balconies and pavements.

Typical technical data*

Approximate consumption	25 kg dry powder mixed with correct water = +/- 1 m ² @ 15 mm thick
Mixing ratio and yield	Grey: Plus 4.5 L of water yields 15.5 L of mixed adhesive
	White: Plus 4.35 L of water yields 14.6 L of mixed adhesive
Working temperature	+5°C to +35°C
Curing time	Leave for a minimum of 24 hours before grouting
Colour	Grey and White
Packaging	25 kg

* Check product data sheet for application instructions and additional information.

MasterTile® 30

Cementitious, polymer modified tile adhesive for non-vitrified, vitrified, porcelain, mosaic and non-moisture sensitive natural stone tiles.

- High adhesive strength even on non-porous surfaces.
- Can be used with porcelain and other low absorption tiles.
- Smooth consistency for easy application.
- Waterproof.
- Economic, thin or thick bed adhesive.



Product description

MasterTile 30 is a polymer-modified cement based tile adhesive for thin or thick bed fixing of ceramic tiles in interior or exterior situations, especially those exposed to permanently wet conditions. It offers an excellent compromise between costs and performance.

Typical uses

Used in all internal and external floors and wall application. Used in all wet areas, even constantly submerged. For laying all ceramic and porcelain tiles and non-critical natural stone tiles.

Typical technical data*

Approximate consumption: kg/m ² dry powder	Required notch size	kg / m ² powder
	4 mm	2.0
	6 mm	3.0
	8 mm	4.0
Mixing ratio and yield	Solid bed fixing	
	3 mm	5.40
	6 mm	10.80
Working temperature	+5°C to +40°C	
Curing time	Walkable and groutable: 24 hours Full service: 7 days	
Colour	Grey and off white	
Packaging	20 kg	

* Check product data sheet for application instructions and additional information.

Adhesives

MasterTile® NTS 26 Rapid

Rapid setting, medium bed mortar for ceramic and natural stones.

- Quick setting and rapid curing for fast turn around and project completion.
- Grout can be installed after only 6 hours.
- For indoor and outdoor walls and floors.
- Fast setting reduces risk of discoloration on natural stones.
- Flexible with very good adhesion.
- Resistant to frost and permanent exposure to wetness.
- Conforms to EN 12004 C2 FT.
- Suitable for fixing tiles on tiles.



Product description

MasterTile NTS 26 Rapid is a fast setting, polymer modified, cement based, high performance, flexible adhesive for natural stone tiles.

Typical uses

MasterTile NTS 26 Rapid has been developed for installation of natural stone tiles indoors and outdoors, for walls and floors. It levels uneven substrates prior to laying tiles and is ideal on stairs of villas, hotels, in living areas, on heated screeds, balconies and terraces, in halls, rooms and corridors of industrial buildings, retail outlets, markets, institutional, service and administration buildings and airports. Can also be used for ceramic tiles.

Typical technical data*

Approximate consumption: kg/m ² dry powder	Required notch size	kg / m ² powder
	10 mm rectangular	3.60
	8/18 mm (flowable adhesive)	4.20
	10 mm	
	Solid bed fixing	
	4 mm	5.20
	8 mm	10.40
Mixing ratio	5.25 L of water / 25 kg bag	
Working temperature	+5°C to +40°C	
Curing time	Walkable and groutable: approx. 6 hours, Full service: 1 day	
Colour	Grey and White	
Packaging	25 kg	

* Check product data sheet for application instructions and additional information.

MasterTile® 434

High performance single component latex polymer modified tile adhesive to fix all types of non-moisture sensitive natural stone.

- Multi-purpose.
- Non sag, creamy consistency.
- Flexible, compensates changes in temperature and elongations of the substrate.



Product description

High performance single component latex polymer modified tile adhesive to fix all types of non-moisture sensitive natural stone. MasterTile 434 adhesive conforms to the requirements of ANSI A118.4 for latex Portland cement mortar.

Typical uses

Used in all internal and external floors and wall application. Used in all wet areas, even constantly submerged. For laying all ceramic and porcelain tiles and non-critical natural stone tiles. Direct application tile-on-tile (with MasterTile P 303 if required).

Typical technical data*

Approximate consumption: kg/m ² dry powder	Required notch size	kg / m ² powder
	4 mm	1.60
	6 mm	2.20
	8 mm	2.70
	Solid bed fixing	
	3 mm	4.20
Mixing ratio	5.4 - 5.6 L per 20 kg	
Working temperature	+5°C to +40°C	
Curing time	Walkable and groutable: approx. 24 hours Full service: approx. 7 days	
Colour	Grey and White	
Packaging	20 kg	

* Check product data sheet for application instructions and additional information.

Adhesives

MasterTile® FLX 23

Flexible, high performance, high bond strength, multi-purpose tile adhesive.

- Multi-purpose.
- Waterproof.
- Non-sag, non-slip, easy to use on walls.
- Consistency: easy to spread and apply on large areas.
- Complies with EN 12004 C2TE and ANSI A118.4 standards.



Product description

A superior quality, polymer modified and flexibilised, cement based tile adhesive for all ceramic tiles, low porosity porcelain, mosaic, fully vitrified and non-moisture sensitive natural stones tiles.

Typical uses

Can be used on all common substrates. Can be used in all internal and external floors and wall application, including critical applications such as swimming pools, wet rooms, cold storage depots. Also perfectly suitable for use with large format tiles and tile-on-tile refurbishment projects.

Typical technical data*

Approximate consumption: kg/m ² dry powder	Required notch size	kg / m ² powder
	4 mm	1.60
	6 mm	2.20
	8 mm	2.70
	Solid bed fixing	
	3 mm	4.20
	6 mm	8.40
Mixing ratio and yield	20 kg bag approx. 4.8 - 5.0 L water	
Working temperature	+5°C to +40°C	
Curing time	Walkable and groutable: 1 day Full service: approx. 7 days	
Colour	Grey and White	
Packaging	20 kg	

* Check product data sheet for application instructions and additional information.

MasterTile® FLX 24

Deformable, very high performance multi-purpose tile adhesive suitable for all substrates and tile types.

- Excellent flexibility and bond: ideal for non-stable substrates.
- Multi-purpose.
- Waterproof.
- Non-sag: excellent for vertical applications including large format tiles.
- Easy to spread, creamy consistency improves productivity.
- Conforms to demanding EN 12004 C2TE S1 deformable grade.



Product description

Top quality, high performance, deformable, multipurpose tile adhesive for risk free fixing of all ceramic coverings, glass mosaic, low porosity and impermeable porcelain and industrial tiles as well as non-moisture sensitive natural stones tiles on all common building substrates.

Typical uses

Used in all internal and external floors and wall application. Ideally suited for swimming pools, wet rooms, cold storage depots and other critical areas. For laying all standard and large format ceramic and porcelain tiles, glass mosaics and non-critical (low porosity) natural stones.

Typical technical data*

Approximate consumption: kg/m ² dry powder	Required notch size	kg / m ² powder
	4 mm	1.50
	6 mm	2.10
	8 mm	2.70
	Solid bed fixing	
	3 mm	3.90
	6 mm	7.80
Mixing ratio and yield	20 kg bag approx. 4.8 - 5.0 L water	
Working temperature	+5°C to +40°C	
Curing time	Walkable and groutable: 24 hours Full service: 7 days	
Colour	Grey and White	
Packaging	20 kg	

* Check product data sheet for application instructions and additional information.

Adhesives

MasterTile® 706

High performance, chemical resistant epoxy tile adhesive.

- Water impermeable and chemical resistant.
- Withstands all industrial grade floor cleaners.
- High wear resistance.
- Does not support bacterial growth.
- Non-absorbent and easy to clean.
- High mechanical strength.
- Workable and easy to apply.
- Very low odor and VOC's.
- Conforms with EN 12004 R2T classification.



Product description

MasterTile 706 is a high performance, two component, epoxy resin based adhesive for permanent bedding of all types of tiles, glass mosaics, natural and reconstituted stones.

Typical uses

Used for all internal and external floors and wall application of ceramic tiles, mosaic and bricks on renders, cement screeds, concrete and timber chipboards. It is ideal for use in heavy traffic areas such as industrial plants, food and beverage processing, commercial kitchens, and hospitals, especially where aggressive chemicals are being used. It is also recommended for swimming pools, hot springs and shower facilities, sewage plants, sewers, animal holding areas, etc.

Typical technical data*

	Required notch size	kg / m ² of mixed material
Approximate consumption: kg/m ² of mixed material	4 mm	1.67
	6 mm	2.50
	8 mm	3.16
	Solid bed fixing	
	3 mm	4.65
Mixing ratio	Mix only full packs as supplied	
Working temperature	+5°C to +40°C	
Curing time	Walkable and groutable: 16 hours. Trafficable: 24 hours. Full service including chemical spillage: 3 days	
Colour	Grey and White	
Packaging	5 kg	

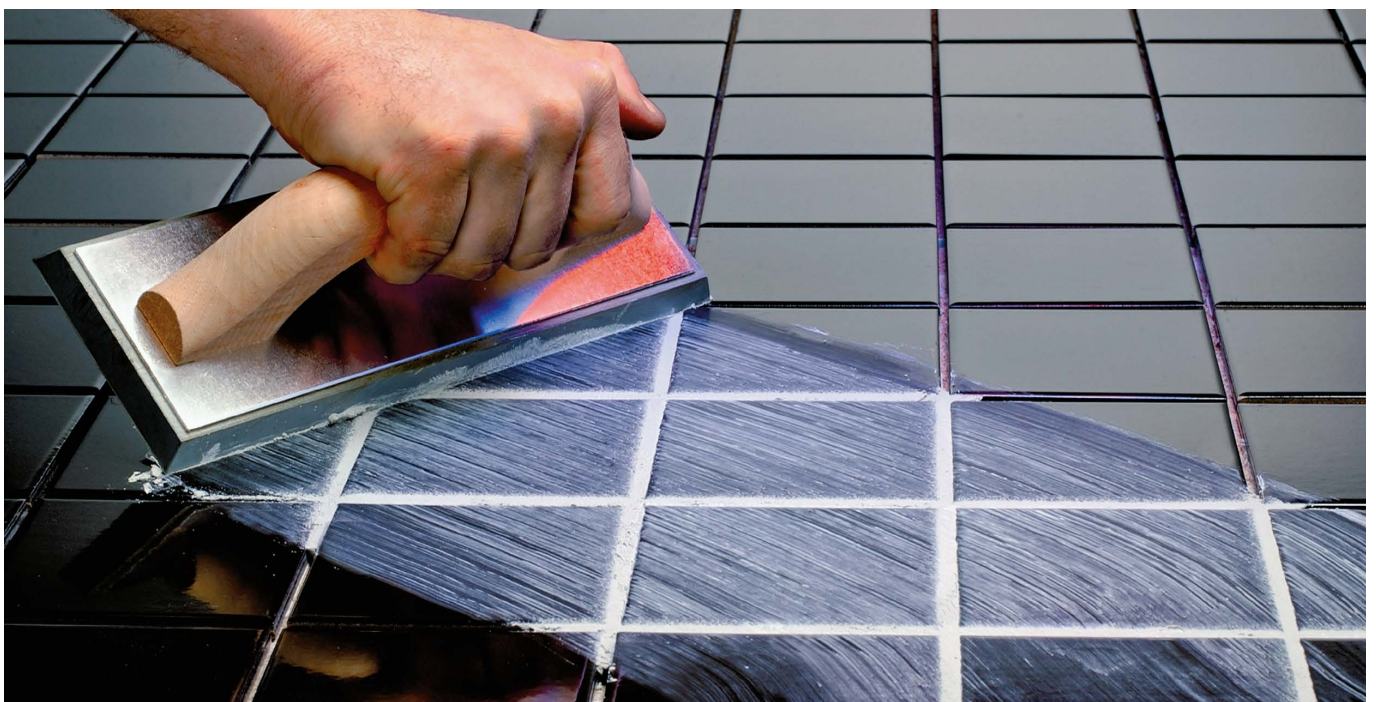
* Check product data sheet for application instructions and additional information.



Grouts

Our MasterTile grout range includes high performance, latex modified, fine textured, cementitious and premium quality epoxy resin products in a variety of colours to complement (or contrast with) your tiles and natural stone choices. We have grouts suitable for all tiling and natural stone projects within our MasterTile grout range, locally formulated and produced for high performance and good workability in the Middle East climate.

MasterTile® RSG 705	Three part, high performance epoxy grout for bedding and grouting tiles in heavy duty conditions.
MasterTile® 707	A premium performance two component epoxy resin based adhesive and grout for permanent bedding and grouting of all types of tiles, natural stones and agglomerates is used wherever a high degree of chemical resistance and enhanced mechanical properties are required.
MasterTile® 530	Coloured, latex modified, unsanded cement grout for ceramic, glass mosaic, porcelain and non-critical natural stones tiles. It is sets to a decorative, water resistant finish and is suitable for internal and external locations, wet areas and swimming pools. Additionally, it is hygienic and thus does not promote the growth of bacteria.
MasterTile® 545	MasterTile 545 is the latest addition to the range. Meeting the highest technical requirements of EN 13888 i.e. CG2WA, it exhibits superior abrasion and water resistance plus enhanced cleanability due to "self-cleaning" hydrophobic additives.



MasterTile 530's fine texture ensures tile surfaces are not damaged during grouting.

Tile Adhesive/Grouts (Dual purpose materials)

MasterTile® RSG 705

High performance epoxy for fixing and grouting.

- Dual purpose: thin bed adhesive and grout.
- Non-absorbent, resistant to staining, easy to clean and hygienic.
- Excellent chemical resistance for use in industrial applications.
- High abrasion resistance.
- Time saving: bedding and grouting of tiles with the same material.
- Does not support bacterial and mould growth.
- Non-tainting and non-toxic for use in food processing plants.
- Excellent bond and durability.
- Conforms to EN 12004 R2T and RG classifications.



Product description

MasterTile RSG 705 is a three-component, high performance epoxy resin based adhesive and grouting system for pavements, ceramic and acid resistant tiles. It is highly decorative, available in a wide range of colours, while being also extremely functional and durable.

Typical uses

MasterTile RSG 705 is used on walls and floors, internally and externally, wherever a high degree of chemical resistance and excellent mechanical properties such as abrasion resistance are required e.g. food and beverage production plants, dairies, workshops, laboratories and swimming pools.

Typical technical data*

	Required notch size	kg/m² of mixed material	
Approx. consumption kg/m² of mixed material	4 mm	1.98	
	6 mm	2.96	
	8 mm	3.96	
	Solid bed fixing.		
	3 mm	5.70 (3 L / m²)	
Mixing ratio	Mix full packs as provided		
Working temperature	+5°C to +40°C		
Curing time	Grout	Walkable	16 hours
		Full service	7 days
	Adhesive	Grout and walkable	16 hours
		Full service	7 days
Colour	Wide range of colours available		
Packaging	4 L and 5 L kits		

* Check product data sheet for application instructions and additional information.

MasterTile® 707

High performance epoxy grout and adhesive.

- Non-absorbent and easy to clean.
- High chemical and abrasion resistance.
- Water impermeable and stain resistant.
- Will not support bacterial or mould growth.
- Low modulus of elasticity, therefore superior to cement-based joint grouts.
- Workable and easy to apply.
- Almost odorless.
- Conforms to EN 12004 R2T and RG classifications.



Product description

A premium performance, epoxy resin based adhesive and grout for permanent fixing and grouting of all types of tiles, natural stones and agglomerates on most substrates e.g. renders, cement screeds, concrete and timber chipboards. Its paste consistency makes it workable and easy to apply. When grouting, excess material can be cleaned within 20 – 30 minutes using a rubber sponge and warm water.

Typical uses

MasterTile 707 is suitable for industrial, commercial and institutional use hotels, schools, toilets, sewage plants, sewers, animal holding areas. It is also recommended for swimming pools, hot springs and shower facilities.

Typical technical data*

Approximate consumption	Required notch size	kg/m ² of mixed material	
	4 mm	1.67	
	6 mm	2.50	
	8 mm	3.16	
	Solid bed fixing		
	3 mm	4.80	
Mixing ratio	Mix full packs as provided		
Working temperature	+5°C to +40°C		
Curing time	Grout	Grout and walkable Full service	16 hours 7 days
	Adhesive	Grout and walkable Full service	16 hours 7 days
Colour	Wide range of colours available.		
Packaging	5 kg kit (Part A + Part B)		

* Check product data sheet for application instructions and additional information.

Tile Grouts

MasterTile® 530

Coloured, latex modified, fine grained cement grout.

- Available in a range of colours.
- Resistant to cracking in joints up to 6 mm wide.
- Ideal for internal and exterior applications.
- Formulated for Middle East conditions.
- Resistant to bacterial growth.
- Resistant to fungal and mould growth.



Product description

MasterTile 530 is a fine coloured latex modified powder which, when mixed with water, gives a smooth, easily applied creamy paste for clean grouting of ceramic tiles. It sets to a decorative water resistant finish.

Typical uses

Ideal for internal and external applications, suitable for wet areas and swimming pools, can be used in ceramic, porcelain, glass mosaic and non-critical natural stones tiles.

Typical technical data*

Mixing Ratio	6.0 L for 18 kg bag and 3.32 L for 10 kg bag
Working temperature	+5°C to +40°C
Curing time	Walkable: 6 hours Full service: 24 hours
Colour	Wide range of colours available
Packaging	10 and 18 kg bags

* Check product data sheet for application instructions and additional information.

MasterTile® 545

Premium quality, coloured, latex modified, water and abrasion resistant tile grout.

- Superior water and abrasion resistance.
- Ideal for high traffic, critical internal and exterior walls and floors.
- Water repellent for ease of cleaning.
- Resistant to bacterial growth.
- Resistant to fungal and mould growth.
- Flexible, absorbs thermal movement.
- Available in a range of colours.
- Conforms to highest classification of EN 13888 i.e. CG2WA.



Product description

MasterTile 545 is a premium quality, fine grained, coloured, polymer modified grout. It sets to a decorative highly water and abrasion resistant finish which inhibits mould and bacterial growth. It is also formulated with special hydrophobic polymers to produce a unique “easy-to-clean” effect to enhance long term appearance.

Typical uses

Ideal for all internal and external applications on all common building substrates with all ceramic, porcelain, glass mosaic and non-critical natural stones tiles. Especially suitable for high traffic, critical situations such as commercial shopping malls, schools, universities, industrial plants, wet process areas, swimming pools and commercial kitchens.

Typical technical data*

Mixing Ratio	4.32 L for 18 kg bag
Working temperature	+5°C to +40°C
Curing time	Walkable: 6 hours Full service: 24 hours
Colour	Wide range of colours available
Packaging	10 and 18 kg bags

* Check product data sheet for application instructions and additional information.



Cementitious grout calculator

Grout estimation chart: kg of powder per m²								
Tile dimensions mm			Joint width mm					
Length	Width	Height	1	2	3	4	5	6
25	25	5	0.51	0.97	1.38	1.74	2.07	2.37
50	50	5	0.26	0.51	0.74	0.97	1.18	1.38
100	100	10	0.26	0.52	0.78	1.02	1.26	1.49
150	150	10	0.18	0.34	0.52	0.68	0.86	1.02
200	100	10	0.20	0.38	0.58	0.78	0.96	1.14
200	200	10	0.12	0.26	0.38	0.52	0.64	0.78
240	115	10	0.17	0.34	0.50	0.67	0.83	0.99
240	240	10	0.10	0.22	0.32	0.44	0.54	0.64
300	300	10	0.08	0.16	0.26	0.34	0.44	0.52
600	300	10	0.06	0.12	0.20	0.26	0.32	0.38
600	600	10	0.04	0.08	0.12	0.16	0.22	0.26
800	100	10	0.14	0.30	0.44	0.58	0.72	0.86
800	150	10	0.10	0.20	0.30	0.40	0.52	0.62
800	200	10	0.08	0.16	0.24	0.32	0.40	0.48
1000	1000	10	0.02	0.04	0.08	0.10	0.12	0.16





Joint Sealants

MasterSeal® Silicone joint sealants

High performance range of elastomeric joint sealants.

Features and benefits

- Internal and external walls and floors.
- Mould resistant formulations.
- Low shrinkage high quality materials.
- MasterSeal® 122: special grade for swimming pools.
- MasterSeal® 123NS: Non-staining product for natural stones.

Product description

The MasterSeal range of elastomeric, silicone joint sealants offer the highest performance for a wide range of applications including: domestic, commercial, industrial and institutional bathrooms, kitchens and wet rooms. Special grades are available for critical installations such as swimming pools and natural stones.



Application										
	Acid cure	Neutral cure	Domestic and Industrial kitchens	Bathrooms & wet rooms	Aluminium, metal, PVC, wood	Concrete, brickwork, renders	Window and door frames	Glazing top seals	Natural Stones wall and floor tiles	Swimming pools
MasterSeal® 121	YYY	N	YYY	YYY	YYY	N	YYY	Y	N	YYY
MasterSeal® 122	N	YYY	YYY	YYY	YYY	YYY	YYY	YYY	Y	YYY
MasterSeal® 123NS	N	YYY	YYY	YYY	YYY	Y	Y	Y	YYY	Y

Color								
	Clear	White (RAL 9010)	Black	Light Ivory (RAL 1015)	Concrete Grey (RAL 7004)	Light Grey (RAL 7035)	Mahogany Brown (RAL 8016)	Bronze (RAL 1036)
MasterSeal® 121	Y	N	Y	Y	Y	N	Y	Y
MasterSeal® 122	Y	Y	Y	to order	Y	to order	to order	to order
MasterSeal® 123NS	Y	Y	Y	Y	Y	Y	Y	Y

YYY = Yes, recommended

N = Not recommended

Y = yes, recommended but alternatives available



Ancillary products

Ancillary products are often essential to complete your tiling projects. Sealers, waterproofing tapes, crack suppression membranes and architectural joint systems are available from Master Builders Solutions and shown below. If it is not mentioned in this brochure contact your local Master Builders Solutions Approved Distributor or technical representative, we may be able to source what you need.

MasterTile® 333

Premium, water based, non-sheen, penetrating sealer.

- High quality sealer for stone, tile and grout.
- Excellent stain resistance.
- Water-based formula.
- For interior and exterior use.
- Colourless, transparent and highly penetrating.
- Reduces negative atmospheric effects.
- Water vapour permeable.



Uses

Sealer for all natural stone surfaces, unglazed tile, porcelain, clay pavers, concrete, brick, masonry, and grout. For interior and exterior use.

Wabo Masterflex 1071

Movement control joint for tiled floor systems.

Uses

These expansion joint profiles are specifically designed with a resilient, elastomeric core to absorb and cushion the compressive strains due to thermal movements in tiled floor systems.



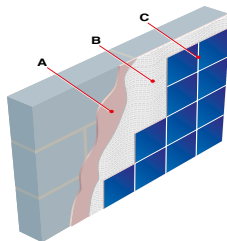


System build-ups

For selecting the most suitable adhesives and grouts, please refer to the selectors on pages 4 and 5.

Gypsum plaster

- Allow a minimum of 4 weeks for drying new plaster.
- The finish coat must be free of any contaminants.
- Polished plaster should be stiff brushed and primed with 1:1 MasterTile® P 302: Water.

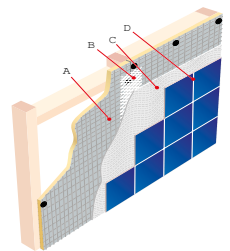


A: Plaster. B: Adhesive. C: Grout.

Tile backer boards

Onto studwork

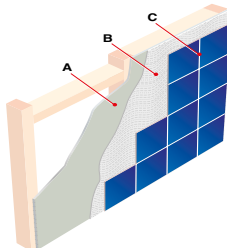
- Boards do not require priming prior to tiling.
- Ensure boards are rigid when fixed.



A: Tile backer board. B: Jointing tape and fixing plates. C: Adhesive. D: Grout.

Gypsum plaster board

- Fix boards securely.
- The weight of the tiles should not exceed 32 kg/m².
- The weight of the tiles with skimmed plaster board should not exceed 20 kg/m².
- See adhesive data sheet for priming advice.

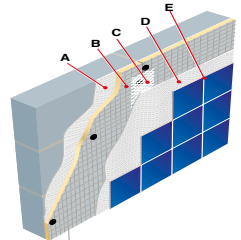


A: Plasterboard. B: Adhesive. C: Grout.

Tile backer boards

On to strong backgrounds, such as render etc.

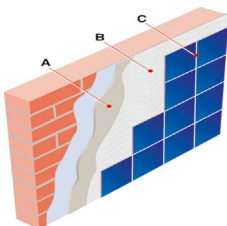
- Ensure that boards are rigid when fixed.
- Boards do not require priming prior to tiling.



A: Adhesive. B: Tile backer board. C: Jointing tape and fixing dowels. D: Adhesive. E: Grout.

Cement and sand render

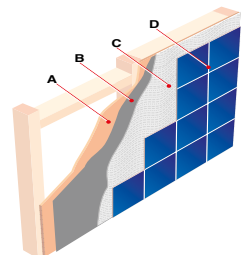
- Rendering must be allowed to dry for 2 weeks prior to tiling.
- Very absorbent backgrounds should be primed with 1:1 MasterTile® P 302: Water.



A: Sand/cement render. B: Adhesive. C: Grout.

Plywood / chipboards / calcium silicate boards

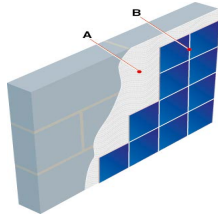
- Sheets should be fixed at 300 mm centres.
- Use moisture-resistant or exterior grade materials.
- Recommended primer MasterTile® P 303
- Apply MasterTile® WP 668 waterproofing system if required.



A: Plywood, B: MasterTile® P 303 primer C: Adhesive, D: Grout

Concrete blocks

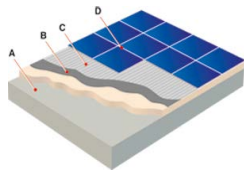
- Allow a minimum drying time of 1 week before rendering/plastering.
- For direct fixing, ensure the wall is smooth faced.
- Prime with diluted 1:1 MasterTile® P 302: Water.



A: Adhesive. B: Grout.

Anhydrite screeds

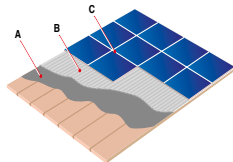
- Allow the full drying time (stated by manufacturer) before commencing tiling.
- Remove any weak layers of surface laitance.
- Prime with two coats of MasterTile® P 302, first coat to be diluted 1:1 with water, second coat neat, allow to fully dry.



A: Anhydrite screed. B: Primer. C: Adhesive. D: Grout.

Plywood overlays

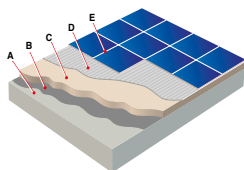
- Seal the underside of sheets and their edges prior to fixing.
- Stagger joints when fixing the boards.
- Screw down at 300 mm centres allowing a gap of 0.5/1 mm between each board.
- Prime with MasterTile® P 303.



A: MasterTile® P 303 primer. B: Adhesive. C: Grout.

Sand and cement screeds

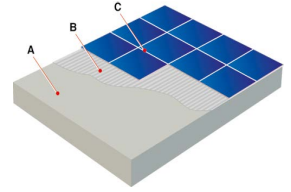
- New screeds require a minimum of 4 weeks drying time.
- With MasterTop® screeds, allow 1-3 days, before tiling depending on type used.



A: Concrete base. B: Bonding primer.
C: Sand/cement screed. D: Adhesive. E: Grout.

Concrete bases

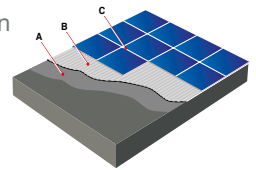
- New concrete requires 6 weeks drying time.
- Ensure substrate is clean & dust free, prime with diluted 1:1 MasterTile® P 302: Water (if required)



A: Concrete base. B: Adhesive. C: Grout.

Internal mastic asphalt screeds

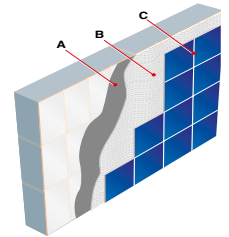
- Remove any surface contamination and ensure there is no hollowness or debonding.
- Ensure regularity of surface to suit adhesive bed.
- Prime with MasterTile® P 303.



A: Primer. B: Adhesive. C: Grout.

Glazed tile background

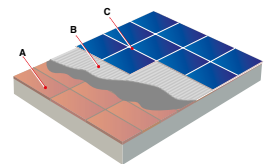
- Existing tiles must be securely fixed.
- Loose tiles and any defective substrate should be removed or repaired.
- Prime with MasterTile® P 303.



A: MasterTile P 303 primer. B: Adhesive. C: Grout

Tile-on-tile

- Existing tiles must be firmly bonded and thoroughly clean and degreased.
- Loose tiles should be removed and made good.
- Clean and degrease existing tiles. Prime with MasterTile® P 303.



A: Existing tile. B: Primer
C: Adhesive MasterTile NTS 26 Rapid (MasterTile® FLX 23, MasterTile® FLX 24 or similar)



Project references - Middle East

Project	: Atlantis Hotel
Owner	: Kerzner International Limited and Istithmar PSJC
Consultant	: NORR
Contractor	: Al Naboodah Laing O'Rourke
Sub-Contractor	: Laing O'Rourke Modulor

Project description

Atlantis, the Palm is a hotel resort at Palm Jumeirah in Dubai, United Arab Emirates. It is a joint venture between Kerzner International Limited and Istithmar PSJC and was opened on 24 September 2008. The resort is modelled after the Atlantis, Paradise Island resort in Nassau, Bahamas. Almost everything in it is underwater themed. 1267 bathroom pods were installed in the site by Modulor using waterproofing and tiling systems.

Products used

MasterTile® 30, MasterTile® A 200, MasterTile® 530, MasterTile® P 300 primer and MasterTile® WP 668.



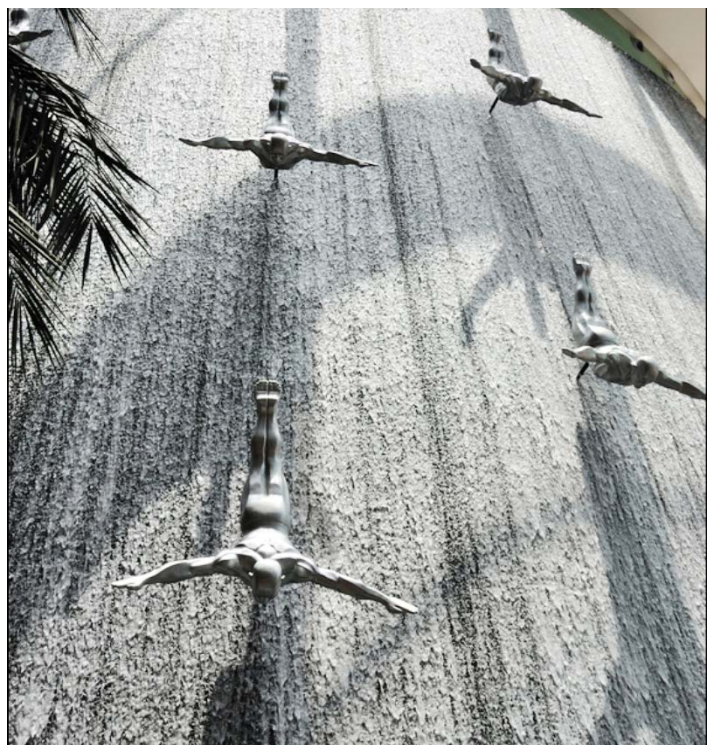
Project	: Dubai Mall Fountains
Owner	: Emaar
Consultant	: DP Architects
Main Contractor	: DBB/CCIC JV
Applicator	: United Technology

Project description

The Dubai Mall is the world's largest shopping mall based on total area and sixth largest by gross leasable area. Located in Dubai, United Arab Emirates, it is part of the 20-billion-dollar Burj Khalifa complex, and includes 1,200 shops, a multi-screen cinema, an ice-rink, an aquarium, and various other attractions.

Products used

Waterproofing and fixing of basalt stones/granites into the water features using MasterTile® RSG 705, MasterTile® 30 and MasterSeal® 588.



- Project Name** : Swimming Pool & Water features for Madinat Jumeirah Phase IV (Jumeirah Al Naseem)
- Project Management** : Mirage Leisure and Development INC
- Consultants** : Architectural Design Consultant (ADC), CKR consulting Engineers and Bensley
- Main Contractor** : Al Futtaim Carillion
- Sub Contractor** : United Technology & Trading Co.

Project description

Jumeirah al Naseem is a luxurious and peaceful resort that is part of Madinat Jumeirah, Dubai. Overlooking the iconic Burj al Arab building, its swimming pool has been built meeting higher standards to minimize disruption and ensure the best customer experience. MasterTile and MasterSeal solutions were the right choice for this demanding project.



Products used:

MasterSeal® 588, MasterTile® 30, MasterTile® RSG 705, MasterTile A 200 additive

- Project** : 23 Marina
- Owner** : The Hiranandani Group
- Consultant** : KEO International Consultants
- Contractor** : Dubai Civil Engineering

Project description

23 Marina is a residential skyscraper in Dubai and was built by the Hiranandani Group based in Mumbai, India. The tower has 90 floors and is 395 m (1,296 ft) tall. This imposing structure, topped out in 2011, was, at the time of completion, the second tallest in Dubai and the tallest residential building in the world. It boasts several impressive statistics, such as: 395 m high, 90 floors, 298 apartments, 57 swimming pools, and each duplex is equipped with its own private elevator!.

Products used

MasterTile 30, MasterTile FLX 23, MasterTile® WP 688, MasterTile® 302, Master Builders Solutions Sealing Tape, MasterTile® 530 and MasterTile® RSG 705.



Project : Radisson Blu Hotel Renovation, Kuwait
Owner : Rezidor Hotel Group
Consultant : SSHI
Main Contractor : Wara Contracting

Project description

The Radisson Blu hotel in Kuwait was renovated in 2013. This first class hotel required a quality finish to a very high standard and needed to be completed within a short time frame. Master Builders Solutions provided concrete repair systems, floor underlayment screeds and comprehensive tiling systems, as a single supplier source solution.

Products used

MasterEmaco repair and MasterProtect protection systems, MasterTop® 548, MasterTop® 500, MasterTop® 528, MasterTile® RSG 705.



Project : Sheikh Abdullah al Salem Cultural Center and Sheikh Ahmed Al Jaber Cultural Center, Kuwait
Owner : Amiri Diwan
Designer : SSHI
Main Contractor : Alghanem Int'l / AL Hani
Finishing contractor : Sadeer

Project description

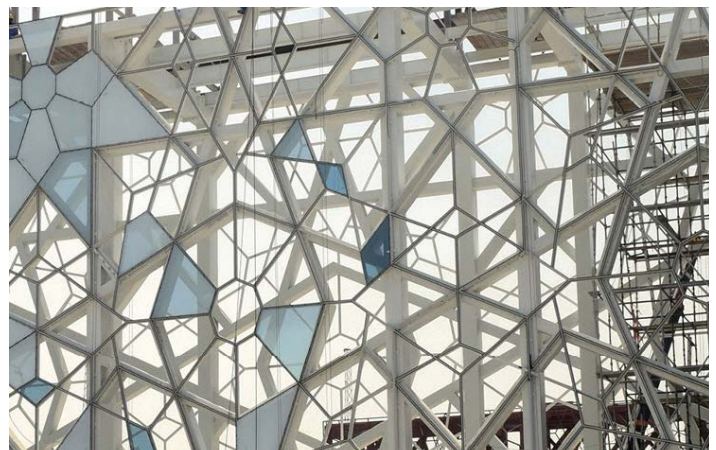
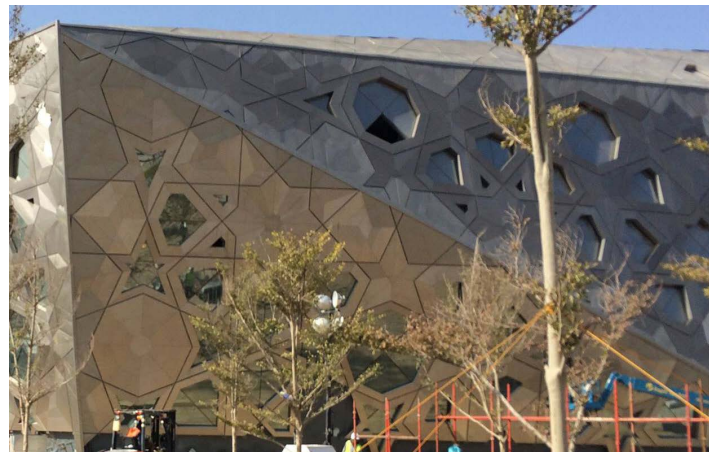
Master Builders Solutions has been heavily involved in the construction of the new cultural centres in Kuwait. Master Builders Solutions' reputation for quality and technical support was an important factor in the contractor choosing the wide range of products used on these iconic structures.

Solutions

Solutions for ceramic and stone tiles in floors and walls, outdoors and indoors. Tiling solutions for the landscaping and for the water features.

Products used

MasterTile® 4, MasterTile® FLX 23, MasterTile® FLX 24, MasterTile® 530, MasterTile® 333, MasterTile® A 200, MasterTile® RSG 705



Project Name : Alila Jabal Akhdar swimming pool, Oman
Main Contractor : ALEC
Applicator : ARAM for Modern Technology

Project description

Alila Jabal Akhdar is a luxurious resort in Oman mountains. At 2,000 km above sea level, this project is the first LEED-certified in Oman.

Products used

MasterTile® FLX 24 and MasterTile® 530



More references

Country	Project
Bahrain	Ritz Carlton
Kuwait	Al Razi Hospital-Extension
	Al Sayer Garage and Offices
	American University School
Oman	Grand Mosque
UAE	Yas Marina Mall, BurJuman Mall, Deira City Centre Pullman Hotel, Mall of the Emirates, Dubai Opera House, Burj Vista, Abu Dhabi International Airport Midfield Terminal and many more.



Technical support and training

Project support

Master Builders Solutions gets involved in projects at an early stage. To support specifiers and contractors, the Master Builders Solutions' Technical Services Team can offer advice on all types of project applications and installations.

Site visits

For complex or large projects, Master Builders Solutions will undertake site visits to assist the contractor or specifier in determining the correct choice of product, advise on methods of application and assess substrate suitability.

Product training

Master Builders Solutions offers the contractor, free training in the correct use of Master Builders Solutions products on site or at Master Builders Solutions premises.

Master Builders Solutions also offers 'tailor-made' training courses suited to the specific requirements of a company or project. Master Builders Solutions is flexible in the delivery of its training sessions.



Hands on, practical training is routinely offered by Master Builders Solutions as part of our Approved Applicator scheme.



Tiling products available through our distribution network



The MasterTile tiling range, as well as other Master Builders Solutions products, is available through a steadily growing distribution network in the Gulf countries. Please contact your Master Builders Solutions representative to identify the closest distributor showroom to your business.

Our distributors' representatives are trained regularly by our Master Builders Solutions technical services teams to be able to deliver expert support to our customers.

Notes



Master Builders Solutions for the Construction Industry

MasterAir®

Complete Solutions for air entrained concrete

MasterBrace®

Solutions for strengthening and structural adhesives

MasterCast®

Solutions for the manufactured concrete product industry

MasterCell®

Density reducing admixtures

MasterCem®

Solutions for cement manufacture

MasterEase®

Solutions for low viscosity concrete

MasterEmaco®

Solutions for concrete repair

MasterFiber®

Comprehensive solutions for fiber reinforced concrete

MasterFinish®

Solutions for formwork treatment

MasterFlame®

Passive fire protection system

MasterFlow®

Solutions for precision grouting

MasterGlenium®

Hyperplasticizer formulated from state-of-the-art polymers for the ultimate performance

MasterInject®

Solutions for concrete injection

MasterKure®

Solutions for concrete curing

MasterLife®

Solutions for enhanced durability

MasterMatrix®

Advanced rheology control solutions

MasterPolyheed®

High-performance superplasticizer

MasterPozzolith®

Solutions for water-reduced concrete

MasterProtect®

Solutions for concrete protection

MasterRheobuild®

Superplasticizer for concrete

MasterRoc®

Solutions for underground construction

MasterSeal®

Solutions for waterproofing and sealing

MasterSet®

Solutions for set control

MasterTile®

Solutions for tiling systems

MasterTop®

Solutions for industrial and commercial floors

MasterWeld™

Adhesive Solutions for construction

MasterX-Seed®

Advanced accelerator solutions for concrete

Ucrete®

Flooring solutions for harsh environments

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United Arab Emirates

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Website

Legal Entities - Middle East & Africa

Algeria

www.master-builders-solutions.com/fr-dz

Egypt

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Kenya

www.master-builders-solutions.com/en-ke

Morocco

www.master-builders-solutions.com/fr-ma

Near East

www.master-builders-solutions.com/en-ae

Nigeria

www.master-builders-solutions.com/en-ng

Oman

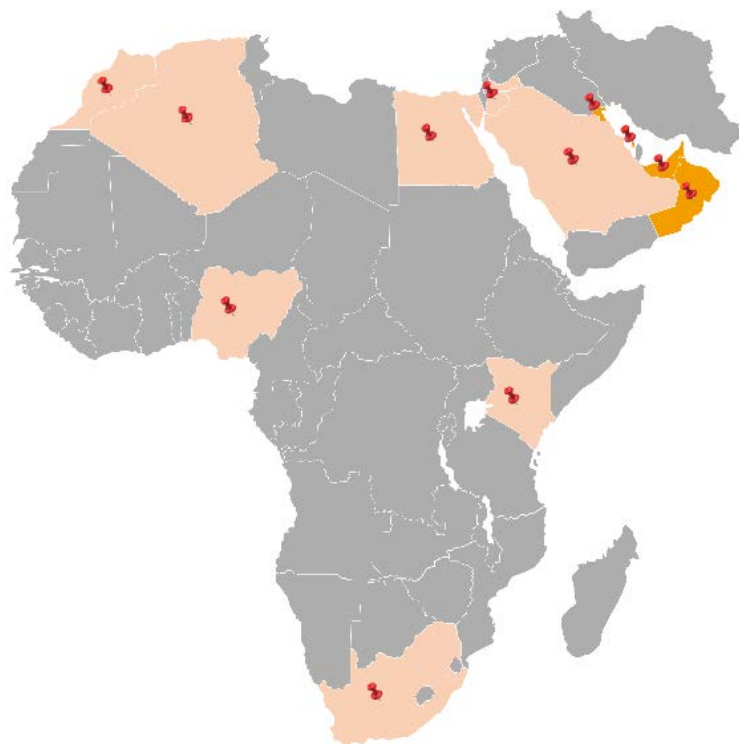
www.master-builders-solutions.com/en-ae

Saudi Arabia

www.master-builders-solutions.com/en-sa

South Africa

www.master-builders-solutions.com/en-za



Distributors

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