



magicrete

**MAGIC BOND**<sup>TM</sup>

tile fixing solutions

हर टाइल के पीछे मैजिक



We help people build their homes better, faster and cheaper by use of innovative construction technologies.



**MAGIC BOND** Complete range of tile fixing solutions  
tile fixing solutions

# Why use MagicBond Tile Fixing Solutions?



Modern tiles are low absorbent (porosity <3%)



Without additives, a mix of sand- cement dries fast leading to early debonding.



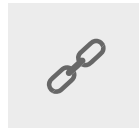
Laying tiles traditionally with sand cement mix will create voids underneath, and makes the tiles fragile and develops cracks in the future.



Tile Adhesives are a mix of graded sand, cement, polymers, and additives specially formulated for the required combination of tiles & substrates



Additives provide water retention and sag resistance on vertical application.



Polymers provide cohesiveness allowing for even application with a trowel.



Even application ensures thorough coverage and protects tile from cracking and de-bonding.

## Features & Benefits



### **High Bond Strength**

It has excellent adhesive properties and bonds better to substrate.



### **No Shrinkage**

Shrinkage cracks are minimized/ eliminated due to its water retaining and self-curing properties.



### **High Sag Resistance**

No slip is observed on vertical applications.



### **Zero Wastage**

It is easy to apply and avoids wastage of materials.



### **Extended Open Time**

Specially added polymers impart extended open time, leading to higher flexibility at the time of application.



### **Economical & Time Saving:**

It is applied in a thin layer which leads to cost saving & being premixed saves time.



## Tile Adhesive - Standard

A polymer integrated grey cement composition based adhesive for fixing ceramic tiles on internal and external flooring. It comes in a premixed, ready to use form that can be used with a number of substrates.

Suitable for

- Ceramic Tile on Internal Floor
- Ceramic Tile on External Floor

### Technical Specifications

Parameters	Appearance	Pot life	Open time	Tensile Adhesion (28 days)	Shear Adhesion (28 days)	Coverage (20 kg bag)	IS 15477:2019	EN 12004
Specifications	Grey powder	>60 mins.	>20 mins.	0.50 Mpa	1.00 Mpa	35-40 Sq.Ft	Type - 1	C1 T



## Tile Adhesive - Elite

A polymer modified grey/white cement-based adhesive for fixing ceramic and vitrified tiles on the floor and wall. Suitable for both internal & external applications.

Suitable for

- External Floor
- Ceramic & Vitrified Tiles (Medium Format) on Internal & External Wall

### Technical Specifications

Parameters	Appearance	Pot life	Open time	Tensile Adhesion (28 days)	Shear Adhesion (28 days)	Coverage (20 kg bag)	IS 15477:2019	EN 12004
Specifications	Grey powder	>60 mins.	>30 mins.	1.00 Mpa	1.25 Mpa	35-40 Sq.Ft	Type - 2	C2 TE



## Tile Adhesive - Premium

A polymer modified grey cement-based adhesive for fixing large format tiles, marble, granite, stones, and glass mosaic on floor and wall. It is suitable for both internal & external applications.

Suitable for

- Vitrified Tiles (Large Format) on Internal & External Walls
- Marble/Granite/Stones/ and Glass Mosaic

### Technical Specifications

Parameters	Appearance	Pot life	Open time	Tensile Adhesion (28 days)	Shear Adhesion (28 days)	Coverage (20 kg bag)	IS 15477:2019	EN 12004
Specifications	Grey powder	>60 mins.	>30 mins.	1.50 Mpa	1.50 Mpa	30-35 Sq.Ft.	Type - 3	C2 TE S1



## Tile Adhesive - White

A polymer integrated white cement based additive for both internal & external applications. From fixing all kinds of tiles and stones especially glass mosaic and swimming pool tiles; it is versatile, cost-effective, and easy to use.

Suitable for

- Vitrified Tiles (Large Format) on Internal & External Walls
- Marble/Granite/ Other Stones
- Glass Mosaic

### Technical Specifications

Parameters	Appearance	Pot life	Open time	Tensile Adhesion (28 Days)	Shear Adhesion (28 Days)	Coverage (20 kg bag)	IS 15477:2019	EN 12004
Specifications	White Powder	>60 mins.	>30 mins.	1.50 Mpa	1.50 Mpa	25-30 Sq.Ft	Type - 3	C2 TE S1



## Tile Admixture - Flex

MagicBond - Flex is an admixture for making Type - 4 adhesive when mixed with MagicBond Tile Adhesive - Elite. It is specially formulated to provide a strong & super flexible bond for tiling on deformable substrates like drywall, plywood, fiber cement sheets.

### Suitable for

- All types tiles & stones (except metal tiles)
- All substrates including drywalls
- All internal & external applications on floor & walls

### Technical Specifications

Parameters	Appearance	Pot life	Open time	Tensile Adhesion (28 days)	Shear Adhesion (28 days)	Coverage (20 kg bag)	IS 15477:2019	EN 12004
Specifications**	White liquid	> 60-90 mins.	> 60-90 mins.	1.50 Mpa	1.50 Mpa	35-40 Sq.Ft	Type - 4	C2 TE S2

\*\* When used as an admixture with MagicBond Tile Adhesive - Elite



## Tile Adhesive - Superflex

MagicBond-Super Flex (2K) is a two-component polymer-modified Tile Adhesive designed for installation of all types of tiles including engineered stones, glass tiles & metal tiles on all types of substrates (including glass or metallic).

### Suitable for

- All the substrates including metal
- All types of tiles & stones including moisture sensitive

### Technical Specifications

Parameters	Appearance	Pot life	Open time	Tensile Adhesion (28 days)	Shear Adhesion (28 days)	Coverage (20 kg bag)	IS 15477:2019	EN 12004
Specifications	Part A: White Part B: Light Brown	> 60-90 mins.	> 60-90 mins.	2.00 Mpa	6.00 Mpa	7.5-8.5 Sq.ft	Type - 5	R2 T



## Tile Bonder

MagicBond –3X Tile Bonder is an onsite mix for improving the strength and workability of cement. Due to its high water retention property, when mixed with cement it enhances the bonding strength of mix by 3 times. It also provides better workability, sag resistance as well as appropriate setting time. Just 300 gms of 3X tile bonder is sufficient for 50 Kg cement bag.

On-site mix for  
Tile Fixing

### Technical Specifications

Parameters	Appearance	Pot life	Open tile	Tensile adhesion (28 days)	Shear adhesion (28 days)	Coverage
Specifications	White Powder	> 20 Mins	> 10 Mins	≥ 0.5 Mpa	≥ 1.0 Mpa	2.0-2.5 sq. ft.



## Tile Grout- EG-100



MagicBond Tile Grout EG – 100 is a three-component colour-fast, chemical resistant, hard wearing & impervious tile joint filler. It effectively fills the gaps and levels itself to give a hard-wearing, dust-proof tile joint. It is well suited for residential and commercial installations where materials must resist substantial abuse, disturbance, and chemical aggression.

### Suitable for

- It is suitable for joint filling in chemical & temperature resistance areas on floors & walls and stain sensitive areas like kitchen, bathroom, swimming pool, etc. Where a hygienic sterile condition is expected.

### Technical Specifications

Parameters	Initial Setting Time	Shrinkage (7 days)	Compressive Strength (7 days)	Tensile Strength (7 days)	Flexural strength (under standard conditions)	Shrinkage	Foot Traffic
Specifications	200 - 260 min	<0.10%	> 30 Mpa	>15 Mpa	35-40 N/mm <sup>2</sup>	0.6-0.8 mm/m	24 Hrs



## Tile Grout- CG-100

MagicBond Tile Grout CG - 100 is a single component, pre-packed tile grout formulated with high-quality portland cement, selected pigments, and special aggregates. It is used for filling joints of all kinds of tiles including homogeneous, ceramic, marble, granite, mosaic and stones. MagicBond Tile Grout CG - 100 is non-shrink, sag resistant, colour-fast and easy to use. It effectively fills the gaps and levels itself to give a hard-wearing tile joints.

### Suitable for

- For joint filling in floor & wall tiles for both internal & external application.

### Technical Specifications

Parameters	Bulk Density	Pot Life @ 27° C	Compressive Strength (28 days)	Flexural Strength (7days)
Specifications	1.3 to 1.35 kg/l	120 Min	24 N/mm <sup>2</sup>	5.5 N/mm <sup>2</sup>

# Grout Shade Card

	MG 01 Bright White		MG 21 Quarry Red
	MG 02 Ivory		MG 22 Olive Green
	MG 03 Mushroom		MG 23 Sage
	MG 04 Silk		MG 24 Ivy
	MG 05 Vanilla		MG 25 Sky Blue
	MG 06 Lemon Yellow		MG 26 Aqua blue
	MG 07 Yellow		MG 27 Turquoise
	MG 08 Jaisalmer		MG 28 Alpine Blue
	MG 09 Inca Gold		MG 29 Sapphire
	MG 10 Caramel		MG 30 Smoke Grey
	MG 11 Terracotta		MG 31 Sterling Silver
	MG 12 Sauterne		MG 32 Sandstone
	MG 13 Spectra Pink		MG 33 Mocha
	MG 14 Beige		MG 34 Chocolate
	MG 15 Antique White		MG 35 Steel Grey
	MG 16 Dusty Rose		MG 36 Platinum
	MG 17 Cadmium Red		MG 37 Slate Grey
	MG 18 Scarlet		MG 38 Raven
	MG 19 Burgundy		MG 39 Midnight Black
	MG 20 Violet		MG 40 Jet Black

The shades are reproduced as closely as possible, but due to certain site conditions workmanship, & the amount of water used in the specified mix may lead to slight variations in the actual shades.

# Product selector

Application Areas	Standard	Elite	Premium	White	Flex	SuperFlex
<b>Internal Flooring</b>						
Ceramic Tiles	✓	✓	✓	✓	✓	✓
Vitrified Tiles	-	✓	✓	✓	✓	✓
Large Format Tile (>4 Sq. ft.)	-	✓	✓	✓	✓	✓
Marble/Granite/Other Stones	-	✓	✓	✓	✓	✓
Glass Mosaic	-	-	-	✓	-	✓
<b>External Flooring</b>						
Ceramic Tiles	✓	✓	✓	✓	✓	✓
Vitrified Tiles	-	✓	✓	✓	✓	✓
Marble/Granite/Other Stones	-	-	✓	✓	✓	✓
Glass Mosaic	-	-	-	✓	-	✓
<b>Internal Wall (Concrete/ Plastered surface)</b>						
Ceramic Tiles (<4 Sq. ft.)	-	✓	✓	✓	✓	✓
Vitrified Tiles	-	✓	✓	✓	✓	✓
Large Format Tile (>4 Sq. ft.)	-	✓	✓	✓	✓	✓
Marble/Granite/Other Stones	-	-	✓	✓	✓	✓
Glass Mosaic	-	-	-	✓	-	✓
Drywalls	-	-	-	-	✓	✓
Metal Surfaces	-	-	-	-	-	✓
<b>External Wall</b>						
Ceramic/Vitrified Tiles	-	✓	✓	✓	✓	✓
Marble/Granite/Other Stones	-	-	✓	✓	✓	✓
Glass Mosaic	-	-	-	✓	-	✓
Drywalls	-	-	-	-	✓	✓
Metal Surfaces	-	-	-	-	-	✓

# Technical Specifications

Properties	Standard Type 1	Elite Type 2	Premium Type 3	White Type 3	Flex Type 4**	SuperFlex Type 5	Tile Bonder
Appearance	Grey Powder	Grey Powder	Grey Powder	White Powder	White Liquid	<b>Part A:</b> White/ <b>Part B:</b> Light Brown	White Powder
Mixing Ratio	-	-	-	-	Elite:Flex:Water 20:01:05	A:B, 4:1	
Pot Life	> 60 Min	> 60 Min	> 60 Min	> 60 Min	> 60 - 90 Min	> 60 - 90 Min	> 20 Min
Open Time	> 20 Min	> 30 Min	> 30 Min	> 30 Min	> 60 - 90 Min	> 60 - 90 Min	> 10 Min
Verticle Slip	NA	< 0.5 mm	< 0.5 mm	< 0.5 mm	<0.5 mm	<0.5 mm	
Tensile Adhesion Strength (28 days)	0.50 Mpa	1.0 Mpa	1.50 Mpa	1.50 Mpa	1.50 Mpa	2.00 Mpa	≥ 0.5 Mpa
Shear Adhesion in dry condition (28 Days)	1.00 Mpa	1.25 Mpa	1.50 Mpa	1.50 Mpa	1.50 Mpa	6.00 Mpa	≥ 1.0 Mpa
Coverage	35 - 40 Sq.Ft.	35 - 40 Sq.Ft.	30 - 35 Sq.Ft.	25 - 30 Sq.Ft.	35 - 40 Sq.Ft.	7.5 - 8.5 Sq.Ft.	2.0 - 2.5 Sq.Ft.
Deformation	NA	NA	> 2.5mm to < 5.0mm	> 2.5mm to < 5.0mm	> 5.0mm	> 5.0mm	
IS 15477:2019	Type-1	Type 2	Type 3	Type 3	Type-4**	Type 5	
EN 12004	C1T	C2TE	C2TES1	C2TES1	C2TES2	R2T	

\*\*When used as an admixture with MagicBond Tile Adhesive - Elite



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**MAGIC BOND**<sup>®</sup>  
tile fixing solutions

**Magicrete Building Solution Pvt. Ltd.**

(ISO 9001/ ISO 14001/ OHSAS 18001 Certified Co.)

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