

SUN-N-SUN



Discover a rare natural beauty. wonder™
marble





Formed over millions of years, Wonder Marble comes with a rare set of features. Strength that is as good as granite's. Lustre that will take the shine off others. An unmatched stain resisting ability and a wide range of colours. What's more, as mother nature produces it in different patterns, every floor of Wonder Marble is truly unique & rare.

With Wonder Marble your home and office spaces will never be the same again.

Read on and discover this rare natural beauty.



High stain resistance

Low porosity, low water absorption and high density make Wonder Marble less susceptible to weathering and stains. In turn ensuring it stays spotless and shiny for years.

SCRATCH HARDNESS

- Normal values (as per ASTM Standard) : 2-4 Mohs
- Test value for Wonder Marble : 4 Mohs
- Significance : This defines the stone's resistance to scratches upon use.
- Advantage : High scratch hardness of Wonder Marble ensures that it remains highly scratch resistant.
- Customer benefit : Lower maintenance.



COMPRESSIVE STRENGTH

- Normal values (as per ASTM Standard) : 400-1900 kg/cm²
- Minimum requirement (as per ASTM Standard) : 530 kg/cm²
- Test value for Wonder Marble : Dry - 1649 kg/cm²
Wet - 2023 kg/cm²
- Significance : This is a measure of the load that a stone can take before it crushes or a measure of the stone's ability to support load-bearing structures. Higher the compressive strength, more durable the stone.
- Advantage : Since Wonder Marble's compressive strength is similar to that of granite, it can be used for any application that is subject to heavy loads.
- Customer benefit : Long life, less prone to cracks and fractures.

BULK DENSITY

- Normal range : 2600-2700 kg/m³
(as per ASTM standards)
- Test value for Wonder Marble : 2857 kg/m³
- Significance : Stones with higher density are generally less porous, more durable and stronger.
- Advantage : High density makes Wonder Marble highly durable and resistant to stains.
- Customer benefit : Less maintenance.



WATER ABSORPTION

- Normal range : 0.1%-1.5%
(as per ASTM standards)
- Test value for Wonder Marble : Less than 0.1%
- Significance : Stones with low water absorption are more resistant to stains and weathering attacks. In case of marble, this ensures that the quality and finish of marble remains intact for years. Higher water absorption also results in defloration in volumetric dimensions causing warping and bowing of stones.
- Advantage : Wonder Marble has negligible water absorption signifying that it is less porous, highly stain-resistant and also requires less maintenance.
- Customer benefit : Less maintenance.



Long lasting lustre

Higher abrasion resistance and silica content keep Wonder Marble shining longer than any other marble.

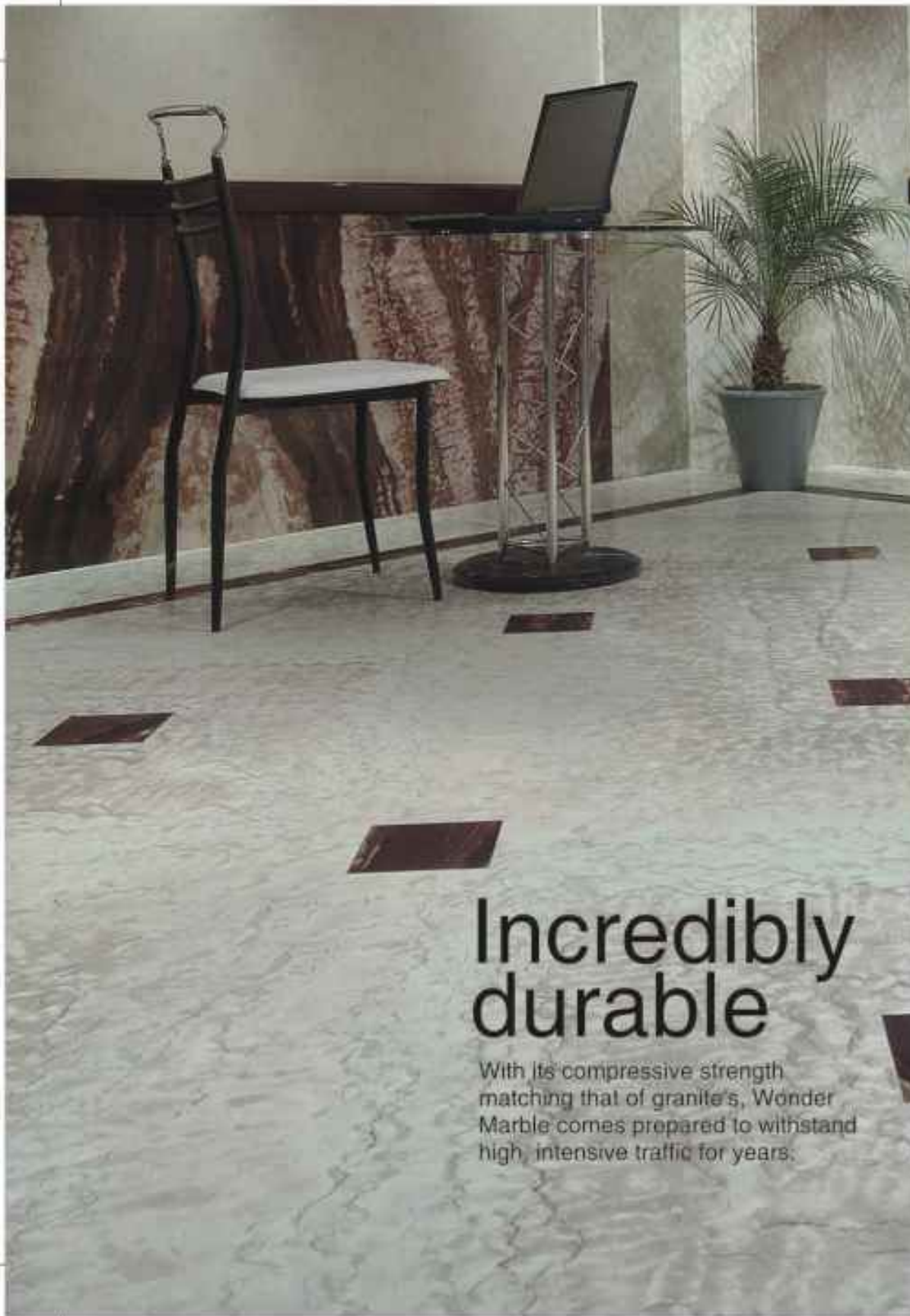
ABRASION RESISTANCE

- Minimum requirement : 10
(as per ASTM Standard)
- Test value for Wonder Marble : 43
- Significance : For flooring application, abrasion resistance demonstrates the suitability of the stone for high footfall areas.
- Advantage : Due to high abrasion resistance, Wonder Marble can even be used for high footfall areas such as airports and shopping malls.
- Customer benefit : Retention of gloss for an extended period.

SILICA CONTENT

- Percentage of Silica in Wonder Marble : 8-13%
- Significance : Higher silica content imparts a better gloss to any marble. The silica is also responsible for more hardness.
- Advantage : A higher silica content in Wonder Marble (similar to granite's) imparts a better gloss and makes it more durable.
- Customer benefit : Stunning looks due to higher gloss and improved aesthetics.





Incredibly durable

With its compressive strength matching that of granite's, Wonder Marble comes prepared to withstand high, intensive traffic for years.

FLEXURAL STRENGTH

- | | |
|--|---|
| Minimum requirement (as per ASTM Standard) | : 71 kg/cm ² |
| Test value for Wonder Marble | : Dry - 129 kg/cm ²
Wet - 119 kg/cm ² |
| Significance | : Also known as bending strength of the stone, it is critical in both designing and detailing of building facades. It helps in determining the maximum load a stone panel can withstand in a curtain all system with anchors located at the edges of the panels. It also helps in evaluating the stone's resistance to wind loads. Moreover, it determines whether a thin stone unit will crack or fracture under externally induced stress conditions. |
| Advantage | : Due to high flexural strength, Wonder Marble will resist more to cracking under load than other marble. Hence, it can also be used for wall cladding application just like granite. |
| Customer benefit | : Long life, high resistance to cracks. Multiple applications. |

MODULUS OF RUPTURE

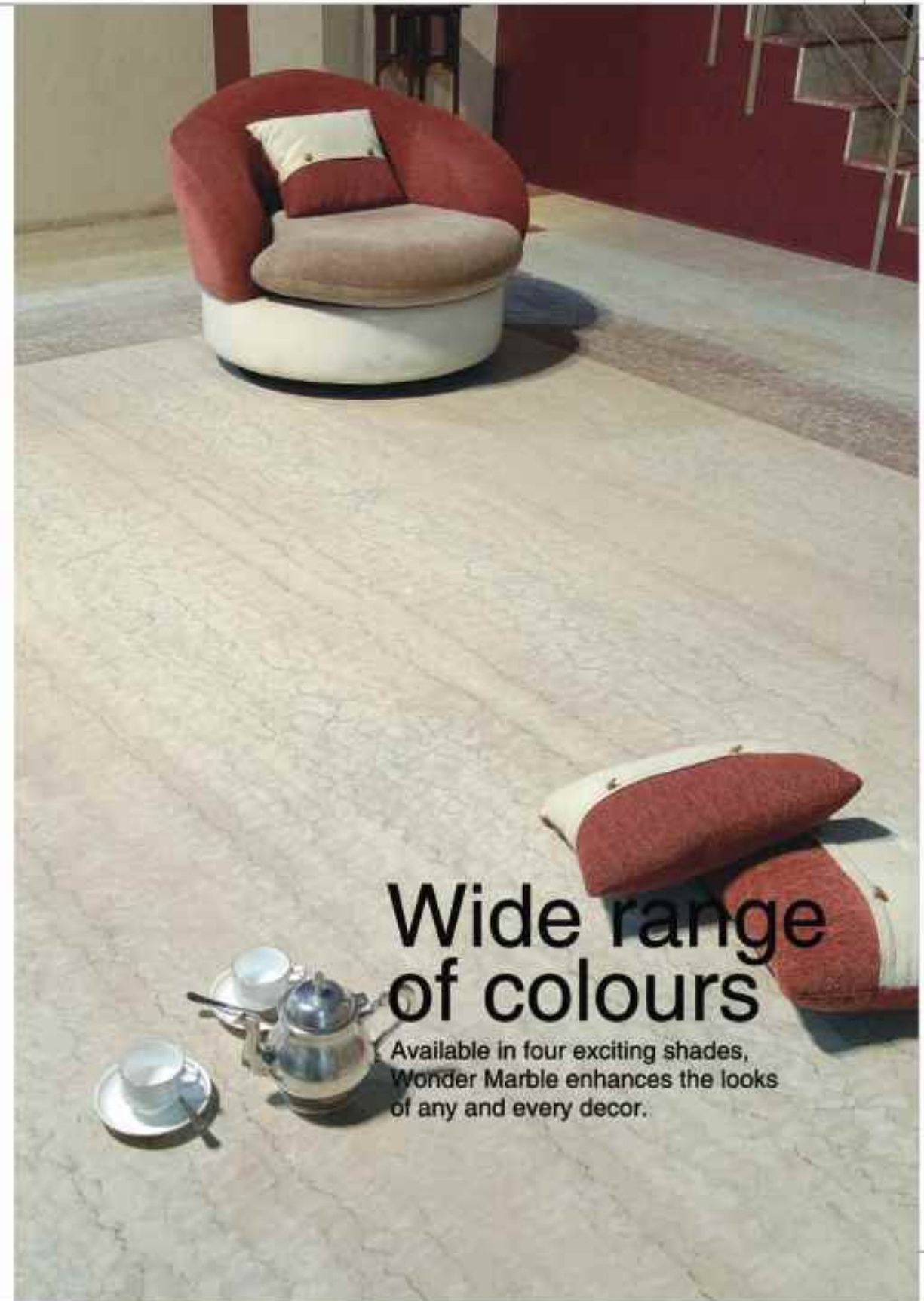
Minimum requirement : 71 kg/cm²
(as per ASTM Standard)

Test value for
Wonder Marble : Dry - 230 kg/cm²
Wet - 242 kg/cm²

Significance : Also known as a transverse strength, it measures the combined shear strength of the stone. It is valuable in determining the strength of the stone at its point of attachment with anchoring devices.

Advantage : Wonder Marble is apt for wall cladding application.

Customer benefit : Long life, no cracks. Multiple applications.



Wide range of colours

Available in four exciting shades,
Wonder Marble enhances the looks
of any and every decor.

RICHNESS OF COLOUR

- Various shades of Wonder Marble : Milky Opal, Pink Pearl, Garnet Rush and Jasper Jazz.
- Significance : Beige and coloured marble provide better aesthetics to flooring and impart an elegant look.
- Advantage : With Wonder Marble, customers can create designer floors to suit their individual tastes.
- Customer benefit : Great looks make the owner proud. The fresh colours of the marble break the monotony of dull floors.



FAB ANALYSIS

Property	Features	Benefit to the customer
Hardness - 4 Mohs	Higher strength	Durability
Compressive strength (2023 kg/cm ²)	Durability	Long life
Water absorption- Less than 0.1%	- Stain resistant - Less porosity	Easy to maintain
Abrasion resistance=43	Long lasting lustre	Retention of gloss for a longer period even in high footfall areas
Modulus of rupture= 242 kg/cm ²	Durability	Long life, no cracks
Various colours	Options for customer	Options for design



GUIDELINES FOR IMPARTING MIRROR POLISH TO YOUR WONDER MARBLE

To achieve a mirror finish on your Wonder Marble by a marble floor grinder/polisher, please adhere to the following instructions.

- Before laying the unpolished slab on the floor, ensure that the fitter removes the netting (if any) from behind the slabs with the help of a hand grinder.
- After laying/fixing the marble slabs/tiles on the floor, wash and rinse the surface thoroughly.

Use the marble floor grinding/polishing machine to obtain mirror polish by adopting the following sequence.

1. **Grinding:** This is done to level the surface of the floor by using grinding abrasives.
 2. **Polishing:** Natural (magnesite bond) and synthetic (resin bond) abrasives are sequentially used to impart mirror polish to the Wonder Marble floor.
- During the grinding/polishing operation, make sure appropriate quantity of water (which acts as a coolant and flushes the slurry) is sprayed.
 - After the polishing is complete, lay one inch thick layer of Plaster of Paris on the floor, till other works are completed.
 - For best polishing results on Wonder Marble, use the following ten grinding and polishing abrasives in the following sequence.

GRIT SIZE	PURPOSE
36MB	To level the highly uneven surface*
60MB	To level the slight uneven surface
120MB	To remove marks of grit size 36 & 60 & other scratch marks
220RB	To remove marks of grit size 36 & 60 & other scratch marks
320RB	To remove marks of grit size 36 & 60 & other scratch marks
400RB	To polish the surface
600RB	To polish the surface
800RB	To polish the surface
1200RB	To make the surface shine
10X RB	To give the final shine and touch on the surface

MB - Magnesite Bond **RB** - Synthetic/Resin Bond

* If the surface is leveled, this abrasive can be ignored.

NOTE: This process is only a recommendation. Final results may vary depending on the efficiency of the operator/quality of grinding abrasive and machine etc. Approximate time required to achieve a 'shiny' mirror polish is 24 working hours for every 100 sq.ft. with one machine. However, the duration may vary depending on the skill and discretion of the operator. No chemicals (liquid or powder) are to be used in the process mentioned above.



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