

## Diagonal Tile



### General Information

Diagonal Tile has an attractive and functional diagonal rib design which withstands heavy walking loads without crushing and is dimensionally stable, so it will not shrink or curl. Made from 100% solution-dyed UV stabilized polypropylene fibers with a bitumen backing, Diagonal Tile is an economical flooring solution for weight rooms and fitness areas.

This product must be used for interior applications only and be installed by professional installers that have sufficient professional liability insurance coverage (aka Errors and Omissions Insurance) for the project. Caution should be used in the moving and lifting of cases of tile. Allow for appropriate equipment and manpower to safely move materials. Work safe and always follow the relevant safety procedures.

Matter Surfaces recommends installing and maintaining entrance matting at all outdoor entrances; this will improve air quality, reduce maintenance costs, and lengthen the life of your floors.

Proper glides must be used on all furniture that may slide directly across the floor, consult the furniture manufacturer for recommendations for use on resilient flooring. Heavy objects must not be moved directly across the floor; use protective boards.

Direct sunlight can cause UV damage (fading or bleaching) to most interior finishes, so Low E glass should be selected that will reduce the UV transmission to less than 1%. If not, applying 3M™ protection film (or similar) on the windows is recommended.

Do not install any material that has visible defects or damage. A contractor that installs any material that has visible defects or damage assumes responsibility for the damaged material.

All Safety Data Sheets (SDS) and Installation, Maintenance and Warranty requirements must be read, understood and followed.

These instructions supersede any verbal or written instructions from Matter Surfaces representatives, and must be followed in order for the limited warranty to be in effect.

## Technical Data

Tile size	19 11/16 inch x 19 11/16 inch (50 cm x 50 cm) ~ 2.7 square feet per tile		
Roll size	20 tiles per case, ~54 square feet per case.		
Thickness	Pile height is 1/8-inch (2.5 mm), with a total height of 3/8"		
Composition	100% solution-dyed UV stabilized polypropylene fibers		
Pile Weight	33.9 oz. / square yard, with a total weight of 131 oz. / square yard		
Backing	Bitumen		
Limited warranty	3 years		
<b>Performance</b>	<b>Test Method</b>	<b>Requirement</b>	<b>Result</b>
Flammability	ASTM D2859	>1.0"	Passes
Smoke density	ASTM E662	≤ 450	Passes
Static Coefficient of Friction	ASTM C1028	None	Dry 0.65 Wet 0.63
Sound Insulation	ISO 140-8	None	>24 dB
Static Electrical Propensity	EN 1815	None	Antistatic < 2 kV
Color Fastness – water	ISO 105 E01	None	Negligible or no change
Color Fastness – light	ISO 105 B02	None	Negligible or no change
<b>Adhesive</b>	<b>Moisture Limits</b>	<b>Application Method</b>	<b>Coverage</b>
MI 1000	90% RH used "Dry to the touch" over non-porous substrates.  95% RH used "Dry to the touch" over porous concrete subfloors only.	1/32" x 1/16" x 1/32" U-notched trowel (FFA)	Approximately 175 – 250 square feet / gallon

Tested following the protocol of ASTM F2170, the results must not exceed the published limits. Replace all worn trowels (every 4 gallons) to ensure proper spread rate; do not re-notch. Check the expiration date of the adhesive, if expired, do not use. The use of any unapproved adhesive will void the limited warranty.

It may not be the flooring contractor's responsibility to conduct moisture testing. It is, however, the flooring contractor's responsibility to make sure these tests have been conducted and that the results are acceptable prior to installation. Testing should be performed by an International Concrete Repair Institute (ICRI) certified technician; please visit <http://www.icri.org>.

All on or below grade concrete subfloors must also have a confirmed effective vapor retarder pre-installed underneath that meets the requirements of ASTM E1745. If not, then use a moisture mitigation system that conforms to ASTM F3010. This system must be applied following the manufacturer's written instructions.