TECHNICAL DATA

INTERCERAMIC®

MARVELA

Glazed Porcelain Floor Tile

Moderate Variation

PORCELAIN | INTERCERAMIC DIGITAL TECHNOLOGY | EXTERIOR APPLICATIONS

Property	Results	ANSI Standards	ASTM Designations
Abrasion Resistance (PEI)	III/IV	Class 0-V	ASTM C1027
Scratch Hardness / Glaze (Mohs)	7	≥5.0	MOHS Scale
Water Absorption (%)	<0.5%	<0.5	ASTM C373
Breaking Strength (Avg Lbf)	>600	>400	ASTM C482
Chemical Resistance	Resistant	Resistant	ASTM C650
Bonding Strength (psi)	>50	≥50	ASTM C482
Frost Resistance	Resistant	Resistant	ASTM C1026
Crazing Resistance	Resistant	Resistant	ASTM C424
Thermal Shock	Resistant	Resistant	ASTM C484
Stain Resistance	Class IV	As Reported	ASTM C1378
Dynamic Coefficient of Friction*	<0.42	As Reported	ANSI A326.3

*It is important to note that Dynamic Coefficient of Friction can also vary after installation due to the presence of foreign materials, such as water, oil, and flooring materials; the length of the human stride at the time of slip; type of floor finish and shoe sole; and the physical and mental conditions of humans.

SHADE AND TEXTURE VARIATIONS

Variations in shade or color are inherent in all fired clay products and are one of the natural qualities which help create the beautiful effects characteristic of tile. Blending of tiles from at least six different boxes during installation is recommended to achieve best results. This is especially important when installing skid-inhibiting tiles, as shine can differ under certain lighting conditions.

Low Variation | Moderate Variation | High Variation | Substantial Variation

Low — Substantial

The least amount of shade and texture variation attainable in naturally fired clay products

Light to moderate shade and texture variation within each carton.

High shade and texture variation within each carton.

Very high shade and texture variation found within each carton.

TRAFFIC TYPE FOR GLAZED CERAMIC FLOOR TILE

PEI I - Light Residential
PEI II - Residential
PEI III - Heavy Residential or Light Commercial
PEI IV - Commercial
PEI V - Heavy Commercial

SIZES

All products are sold in nominal (approximate) sizes.

LIMITS OF LIABILITY

Test are performed on random samples of Interceramic tile by an independent testing laboratory and are believed to be representative of the general quality of tile. There is no guarantee by Interceramic that this exact results will be guaranteed on every tile. Interceramic extends no guarantees expressed or implied, as to glaze slipperiness, wear-time periods, gloss or maintenance procedures. Test procedures and individual resultst are available from Interceramic.

PLEASE NOTE

Shade variation is inherent in all fired clay and natural stone products. Material furnished in a shipment may vary from the sample. Any questions regarding acceptability of product must be resolved prior to installation. Use constitutes acceptance. Please contact a company representative if you have any questions.

ANSI A137.1-2019; ISO 13006

Interceramic tiles meet and exceed new standard release of ANSI A-137.1-2012 "American National Standards Specifications for Ceramic Tile"; besides it is an active member of TCNA in technical committee and development of GREEN new standards for ceramic tile industry.

INTERCERAMIC GREEN

Our company is committed and strives to maintain a harmonious relationship between the environment and its processes through efficient planning and achievement of our goals, therefore reducing harm to The Ecosystem.

- Not harmful to health (Free of toxic components)
- Long term
- Optimization of recycled materials without damaging the environment
- No maintenance required to preserve its originality
- Easy to clean
- Clean industry (The manufacturing process does not pollute)

LEED V4.1®

The points are generated according to type of product, color and job site location.

Maximum possible points (credits):
MR Recycled Content: 10% 1 point and 2 points for 20% of recycled content.
IEQ VOC Content, Indoor Environmental Quality and Low-Emitting Material, 1 point
SS Heat Island Effect: Non-Roof, having paving materials with SRI value at least 29, 1 Point.
MR Regional Materials, 1-2 points with a radius of 100 miles from Mfg. facility, Distribution & Purchase location to the job site
MR Environmental Product Declaration (EPD) 1-point, Life Cycle Assessment (LCA) indicators better than Industry average 1 point
LEED Pilot Credit: Green Squared Certification, 1 point