



Certification of Physical Properties
Florida Tile Quality Assurance Department

Abrasion Resistance

Series: Retroclassique	Glaze Finish: Glazed
Color - Sizes: All	ANSI Tile Type: Ceramic Wall Tile
Reported by: Aaron Woodard	Report Date: January 4, 2015

Procedure: ASTM C1027

Description: Tiles are placed on an ASTM compliant abrasion tester and abraded by the rotation of an abrasive media acting on the tiles.

Classification:

Revolutions to Visible Abrasion	Class	Classification
100	0	Not recommended for floors
150	1	Light Residential
600	2	Residential
750 or 1500	3	Heavy Residential/Lt Commercial
2100, 6000, or 12000	4	Commercial
12000+ and stain test	5	Heavy Commercial

Results:

Revolutions	Class	Classification
150	1	Light Residential

Paul Romig
Quality and Technical Services Manager

** Tests were conducted using industry standard equipment and techniques. Values are offered in good faith as being accurate and typical of normal production. Due to natural variation of raw materials and manufacturing processes, the values of tile purchased for any particular installation may vary from these numbers. Buyer should evaluate suitability and safety of any product prior to installation. No warranty of any kind, expressed or implied, is made with respect to the information contained herein.



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Breaking Strength

Series: Retroclassique	Glaze Finish: Glazed
Color - Sizes: All	ANSI Tile Type: Ceramic Wall Tile
Reported by: Aaron	Report Date: January 4, 2015

Procedure: ASTM C648

Description: Tiles are placed on a standard breaking strength machine and stressed until broken. The maximum force achieved before breaking is the strength of the sample. Reported value is the average of 10 pieces.

Requirement: ANSI standards require a minimum breaking strength for tile of this type to be equal or greater than 125 lbs

Results:

Average:	150 lbs	Pass
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Moh's Hardness

Series: Retroclassique	Glaze Finish: Glazed
Color - Sizes: All	ANSI Tile Type: Ceramic Wall Tile
Reported by: Aaron Woodard	Report Date: January 4, 2015

Procedure: EN 101

Description: Tiles are tested by moving a mineral tipped stylus across the surface and looking for a scratch to be produced during 4 test cycles. The scale is calibrated using increasingly more dense minerals.

Classification:

Moh's Scale	Mineral
5	Apatite
5.5	Opal
6	Turquoise
6.5	Jade
7	Quartz
7.5	Emerald
8	Topaz
8.5	Alexandrite
9	Ruby
10	Diamond

Results:

Moh's Scale	Mineral
5	Apatite

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Water Absorption

Series: Retroclassique	Glaze Finish: Glazed
Color - Sizes: All	ANSI Tile Type: Ceramic Wall Tile
Reported by: Aaron Woodard	Report Date: January 4, 2015

Procedure: ASTM C373

Description: Dried samples are boiled for 5 hours, then allowed to sit for 24 hours in distilled water. The percent water absorption is calculated by the difference in weight between the wet tile and the dry tile.

Classification:

Scale	Classification
≤0.5%	Porcelain
0.5% - 3.0%	Vitreous
3.0% - 7.0%	Semi-Vitreous
7.0% - 20.0%	Non-Vitreous

Results:

Result	Classification
14%	Non-Vitreous

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Percentage of Recycled Content

Series: Retroclassique	Glaze Finish: Glazed
Color - Sizes: All	ANSI Tile Type: Ceramic Wall Tile
Reported by: Aaron Woodard	Report Date: January 4, 2015

Procedure: Calculated per LEED for New Construction and Major Renovations Rating System, April 2009

Description: The amount of pre- and post-consumer waste is calculated based on a percentage of the body by weight

<u>Results:</u>	Pre-consumer RMC	0%
	Post-consumer RMC	0%

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