

Abrasion Resistance

Series: Legend HDP Glaze Finish: Glazed Color - Sizes: 25430 - 6x6, 12x12, 18x18, 12x24, 24x24 ANSI Tile Type: Porcelain Floor Tile 25430R - 12x24, 24x24 Reported by: John Heckman Report Date: August 13, 2009 **ASTM C1027** Procedure: **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 Not recommended for floors 0 150 Light Residential 1 600 Residential 2 750 or 1500 3 Heavy Residential/Lt Commercial 2100, 6000, or 12000 4 Commercial 12000+ and stain test 5 Heavy Commercial

Results:

Revolutions	Class	Classification
2100	4	Commercial

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Director of Quality Assurance



Breaking Strength

	Series: Legend HDP		Glaze Finish: Glazed	
Col	or - Sizes: 25430 - 6x6, 12x12, 18 25430R - 12x24, 24x24	, ,	ANSI Tile Type: Porcelain F	Floor Tile
Rej	ported by: John Heckman		Report Date: August 13,	2009
Procedure:	ASTM C648			
Description:	Tiles are placed on a standard be achieved before breaking is the s	0 0		
Requirement:	ANSI standards require a minimu	um breaking strength f	for tile of this type to be equal or	greater than 250 lbs
<u>Results:</u>	Average:	550 lbs	Pass	
	R			

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Director of Quality Assurance



Moh's Hardness

S	eries: Legend HDP		Glaze Finish: Glazed
Color - S	Sizes: 25430 - 6x6, 12x12		ANSI Tile Type: Porcelain Floor Tile
Reporte	25430R - 12x24, 24 26 by: John Heckman	4x24	Report Date: August 13, 2009
Procedure: EN	101		
			across the surface and looking for a scratch to be produced g increasingly more dense minerals.
Classification:	Moh's Scale	Mineral	
<u>endeemedaterni</u>	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
7	Quartz

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Director of Quality Assurance



Water Absorption

Series:	Legend HDP			Glaze Finish: Glazed	
Color - Sizes:	25430 - 6x6, 12x12		1x24 A	NSI Tile Type: Porcelain Floor Tile	
Reported by:	25430R - 12x24, 24x24 Reported by: John Heckman			Report Date: August 13, 2009	
Procedure: ASTM C	373				
				24 hours in distilled water. The percent tween 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			
	≤0.5%	Porcelain			
Third Party Certification:	This product is Cer	tified Porcelain by	the Porcelair	n Tile Certification Agency	

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Static Coefficient of Friction

 Series: Legend HDP
 Glaze Finish: Glazed

 Color - Sizes: 25430 - 6x6, 12x12, 18x18, 12x24, 24x24
 ANSI Tile Type: Porcelain Floor Tile

 25430R - 12x24, 24x24
 Reported by: John Heckman

 Procedure:
 ASTM C1028

 Description:
 Tiles are tested wet and dry. A neolite 'heel' is weighted with a 50 lb weight and force is applied until assembly begins to move. The peak force is recorded and the coefficient of friction is calculated versus a standard tile. Reported averages are from three separate test samples from the same lot

Wet Average	0.6
Dry Average	0.7

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Results:

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Percentage of Recycled Content

Series: Legend HDP	Glaze Finish: Glazed
Color - Sizes: 25430 - 6x6, 12x12, 18x18, 12x24, 24x24 25430R - 12x24, 24x24	ANSI Tile Type: Porcelain Floor Tile
Reported by: John Heckman	Report Date: December 8, 2010

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

Results: Pre-consumer RMC Post-consumer RMC



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** 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.



Certification of Physical Properties

Florida Tile Quality Assurance Department

Bond Strength

	Series: Legend HDP		Glaze Finish: Glazed	
	or - Sizes: 25430 - 6x6, 12x12, 18x18 25430R - 12x24, 24x24 oorted by: John Heckman	3, 12x24, 24x24	ANSI Tile Type: Porcelair Report Date: August 1	
Procedure:	ASTM C482			
Description:	Tiles are bonded with a standard mortar to a standard cement block. Force is applied to the tile until the bond fails. Results are average force required for failure for 5 pieces.			
Requirement:	ANSI standards require a minimum	bond strength for tile	of this type to be equal to or	r greater than 50 PSI
<u>Results:</u>	Average:	377 PSI	Pass	

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Director of Quality Assurance