

EVALUATED FEATURE	TEST METHOD	NORM ANSI A137.1 REQUIREMENTS (Table 8)	RESULTS	CONCLUSION
DIMENSIONS				
* Nominal Size, mm			(%) (mm)	
Nominal length: 610.0 mm	ASTM C499	± 3.00%	0.00 0.00	Comply
Manufacturing length: 610.0 mm				
Nominal width: 300.0 mm				
Manufacturing width: 303.0 mm				
* Caliber Range				
Manufacturing length: 610.0 mm	ASTM C499	± 0.50%; ± 2.00mm	-0.21 -1.30	Comply
Average length: 608.7 mm				
Manufacturing width: 303.0 mm				
Average width: 302.5 mm				
* Warpage Edge, %				
Length	ASTM C485	± 0.75%; ± 2.00mm	0.11 0.00 0.66 0.00	Comply
Width			0.00 -0.10 0.00 -0.29	
* Warpage Diagonal, %	ASTM C485	± 0.50%; ± 2.00mm	0.04 -0.08 0.26 -0.52	Comply
* Wedging, %	ASTM C502	± 0.50%; ± 2.00mm	0.07 -0.03 0.48 -0.19	Comply
* Thickness, mm				
Manufacturing: 8.5 mm	ASTM C499	Max. 1.02 mm	1.18 0.10	Comply
Average result: 8.6 mm				
PHYSICAL PROPERTIES				
* Visible Abrasion Resistance	ASTM C1027	As reported	PEI III	-
* Water Absorption, %	ASTM C373	Vitreous (P2) 0.5% < wa ≤ 3.0%	2.80	Comply
* Craze Resistance	ASTM C424	Pass	Approved	Comply
* Breaking Strength, lbf	ASTM C648	Average ≥ 250 Individual ≥ 225	387 362	Comply Comply
* Dynamic coefficient of friction - DCOF Wet	ANSI A137.1 Section 9.6	≥ 0.42	0.48	Comply
CHEMICAL PROPERTIES				
* Chemical Resistance	ASTM C650	As reported	Resistant	Comply
* Stain Resistance	ASTM C1378	As reported	Resistant	Comply
<p>Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 8: Pressed Floor Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking.</p>				
DATE OF ISSUE		Tuesday, July 20, 2021		
Prepared by: Quality Supervisor		Reviewed by: Manager Quality Assurance		
César Prado R.		Marlene Chauca R.		

TECHNICAL SHEET
GRSPB PDRA VALENCIA GREY 30X61 EXT 1.67

EVALUATED FEATURE	TEST METHOD	NORM ANSI A137.1 REQUIREMENTS (Table 8)	RESULTS	CONCLUSION
DIMENSIONS				
* Nominal Size, mm			(%) (mm)	
Nominal length: 610.0 mm	ASTM C499	± 3.00%	0.00 0.00	Comply
Manufacturing length: 610.0 mm				
Nominal width: 300.0 mm				
Manufacturing width: 303.0 mm				
* Caliber Range				
Manufacturing length: 610.0 mm	ASTM C499	± 0.50%; ± 2.00mm	0.02 0.10	Comply
Average length: 610.1 mm				
Manufacturing width: 303.0 mm				
Average width: 303.2 mm				
* Warpage Edge, %				
Length	ASTM C485	± 0.75%; ± 2.00mm	0.02 -0.07 0.10 -0.40	Comply
Width				
* Warpage Diagonal, %	ASTM C485	± 0.50%; ± 2.00mm	0.00 -0.10 0.00 -0.65	Comply
* Wedging, %	ASTM C502	± 0.50%; ± 2.00mm	0.06 -0.04 0.40 -0.30	Comply
* Thickness, mm				
Manufacturing: 8.5 mm	ASTM C499	Max. 1.02 mm	3.53 0.30	Comply
Average result: 8.8 mm				
PHYSICAL PROPERTIES				
* Visible Abrasion Resistance	ASTM C1027	As reported	PEI III	-
* Water Absorption, %	ASTM C373	Vitreous (P2) 0.5% < wa ≤ 3.0%	2.20	Comply
* Craze Resistance	ASTM C424	Pass	Approved	Comply
* Breaking Strength, lbf	ASTM C648	Average ≥ 250 Individual ≥ 225	382 369	Comply Comply
* Dynamic coefficient of friction - DCOF Wet	ANSI A137.1 Section 9.6	≥ 0.42	0.45	Comply
CHEMICAL PROPERTIES				
* Chemical Resistance	ASTM C650	As reported	Resistant	Comply
* Stain Resistance	ASTM C1378	As reported	Resistant	Comply
<p>Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 8: Pressed Floor Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking.</p>				
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TECHNICAL SHEET
GRSPB PDRA VALENCIA WHITE 30X61 EXT 1.67

EVALUATED FEATURE	TEST METHOD	NORM ANSI A137.1 REQUIREMENTS (Table 8)	RESULTS	CONCLUSION
DIMENSIONS				
* Nominal Size, mm			(%) (mm)	
Nominal length: 610.0 mm	ASTM C499	± 3.00%	0.00 0.00	Comply
Manufacturing length: 610.0 mm				
Nominal width: 300.0 mm				
Manufacturing width: 303.0 mm				
* Caliber Range				
Manufacturing length: 610.0 mm	ASTM C499	± 0.50%; ± 2.00mm	-0.26 -1.60	Comply
Average length: 608.4 mm				
Manufacturing width: 303.0 mm				
Average width: 302.5 mm				
* Warpage Edge, %				
Length	ASTM C485	± 0.75%; ± 2.00mm	0.06 -0.02 0.36 -0.14	Comply
Width			0.00 -0.10 0.00 -0.30	
* Warpage Diagonal, %	ASTM C485	± 0.50%; ± 2.00mm	0.02 -0.09 0.15 -0.58	Comply
* Wedging, %	ASTM C502	± 0.50%; ± 2.00mm	0.08 -0.03 0.52 -0.21	Comply
* Thickness, mm				
Manufacturing: 8.5 mm	ASTM C499	Max. 1.02 mm	1.18 0.10	Comply
Average result: 8.6 mm				
PHYSICAL PROPERTIES				
* Visible Abrasion Resistance	ASTM C1027	As reported	PEI III	-
* Water Absorption, %	ASTM C373	Vitreous (P2) 0.5% < wa ≤ 3.0%	2.90	Comply
* Craze Resistance	ASTM C424	Pass	Approved	Comply
* Breaking Strength, lbf	ASTM C648	Average ≥ 250 Individual ≥ 225	392 377	Comply Comply
* Dynamic coefficient of friction - DCOF Wet	ANSI A137.1 Section 9.6	≥ 0.42	0.50	Comply
CHEMICAL PROPERTIES				
* Chemical Resistance	ASTM C650	As reported	Resistant	Comply
* Stain Resistance	ASTM C1378	As reported	Resistant	Comply
<p>Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 8: Pressed Floor Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking.</p>				
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