

TECHNICAL SHEET PORC CMTO SOHO GREY 30X61EXT1.66

EVALUATED FEATURE		TEST METHOD	NORM ANSI A137.1 REQUIREMENTS (Table 10)	RESULTS		CONCLUSIO	
		Ι	DIMENSIONS				
				(%)	(mm)		
* Nominal Size, mm							
Nominal length:	610.0 mm						
Manufacturing length:	610.0 mm	ASTM C499	± 3.00%	0.00	0.00	Comply	
Nominal width:	300.0 mm	A3110 C499					
Manufacturing width:	303.0 mm		± 3.00%	1.00	3.00	Comply	
* Caliber Range							
Manufacturing length:	610.0 mm						
Average length:	608.7 mm		± 0.50%; ± 2.00mm	-0.21	-1.27	Comply	
Manufacturing width:	303.0 mm	ASTM C499					
Average width:	302.3 mm		± 0.50%; ± 2.00mm	-0.22	-0.67	Comply	
* Warpage Edge,%		ASTM C485	± 0.50%; ± 1.80mm	0.16 -0.10	0.48 -0.30	Comply	
* Warpage Diagonal, %		ASTM C485	± 0.50%; ± 1.80mm	0.08 -0.10	0.55 -0.66	Comply	
* Wedging, %		ASTM C502	± 0.50%; ± 2.00mm	0.07 -0.03	0.48 -0.22	Comply	
* Thickness, mm							
Manufacturing:	9.0 mm						
Average result:	8.9 mm	ASTM C499	Max. 1.02 mm	-1.11	-0.10	Comply	
		PHYSI	CAL PROPERTIES				
* Visible Abrasion Resistance		ASTM C1027	As reported	PE	3111	-	
* Water Absorption, %		ASTM C373	Impervious Porcelain (P1) wa ≤0.5%	0.3	30	Comply	
* Crazing Resistance		ASTM C424	Pass	Appr	oved	Comply	
* Breaking Strength, lbf		ASTM C648	Average ≥ 275	42	27	Comply	
			Individual ≥ 250	42	21	Comply	
* Dynamic coefficient of friction - D	COF	ANSI A137.1					
Wet		Section 9.6	≥ 0.42	0.	53	Comply	
		CHEMI	ICAL PROPERTIES				
* Chemical Resistance		ASTM C650	As reported	Resi	stant	Comply	
* Stain Resistance		ASTM C1378	As reported	Resi	stant	Comply	
	AL STANDARD SPI	ECIFICATIONS F	ARD, ANSI A137.1. OR CERAMIC TILE / Table 10: Por me of the typical unavoidable variati		es	<u> </u>	
DATE OF ISSUE				Friday, October 8, 2021			
Prepared by: Quality Supervisor			Reviewed	Reviewed by: Manager Quality Assurance			
César Prado R.				Marlene Chauca R.			



TECHNICAL SHEET PORC CMTO SOHO WHITE 30X61EXT1.66

METHOD (Table 10) (Table 10) * Nominal Size, mm Size, mm (%) (mm) Nominal length: 610.0 mm ASTM C499 ± 3.00% 0.00 0.00 Comply Manufacturing length: 610.0 mm ASTM C499 ± 3.00% 1.00 3.00 Comply * Caliber Range Manufacturing width: 303.0 mm ASTM C499 ± 0.50%; ± 2.00mm -0.06 -0.34 Comply * Caliber Range Manufacturing width: 303.0 mm ASTM C499 ± 0.50%; ± 2.00mm -0.06 -0.34 Comply * Varage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.07 -0.70 0.20 0.06 Comply * Waragae Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 -0.34 Comply * Waragae Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.07 -0.70 0.20 -0.60 Comply * Waragae Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 -0.40 -0.40 -0.40 Comply * Warabagenal, % <t< th=""><th></th><th></th><th>· · · ·</th><th></th><th></th><th></th><th></th></t<>			· · · ·					
Nominal Size, mm Nominal length: 610.0 mm Manufacturing length: 610.0 mm Manufacturing length: 610.0 mm Manufacturing length: ASTM C499 ± 3.00% 0.00 0.00 Comply * Caliber Range Manufacturing width: 303.0 mm ASTM C499 ± 0.59%; ± 2.00mm -0.06 -0.34 Comply * Caliber Range Manufacturing width: 303.0 mm ASTM C499 ± 0.59%; ± 2.00mm -0.06 -0.34 Comply * Warpage Edge,% • Warpage Edge,% ASTM C485 ± 0.59%; ± 2.00mm 0.02 0.06 Comply * Warpage Edge,% • Warpage Edge,% ASTM C485 ± 0.59%; ± 1.80mm 0.07 -0.07 0.20 -0.20 Comply * Warpage Edge,% • Warpage Edge,% ASTM C485 ± 0.59%; ± 2.00mm 0.06 -0.04 -0.60 Comply * Warpage Edge,% ASTM C485 ± 0.59%; ± 2.00mm 0.06 -0.04 -0.00 Comply * Warpage Edge,% ASTM C489 ± 0.59%; ± 2.00mm 0.06 -0.00 Comply * Warpage Edge,% ASTM C489 ± 0.59%; ± 2.00mm 0.01 -0.00 Comply * Thide, ASTM C499 ASTM C499 Max. 1	EVALUATED FEATURE			REQUIREMENTS	RESULTS		CONCLUSION	
Nominal Size, mm ASTM C499 ± 3.00% 0.00 0.00 Comply Manufacturing length: 610.0 mm ASTM C499 ± 3.00% 1.00 3.00 Comply * Caller Range Manufacturing length: 609.7 mm ASTM C499 ± 0.50%; ± 2.00mm -0.06 -0.34 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.02 0.06 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 0.09 0.40 -0.60 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 0.09 0.40 -0.60 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 0.09 0.40 -0.60 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 -0.40 0.40 -0.60 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 -0.40 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 -0.40 Comply * Warpage Edge,% ASTM C495 ASTM C495<			D	IMENSIONS	_			
Nominal length: 610.0 mm ASTM C499 ± 3.00% 0.00 0.00 Comply Manufacturing length: 610.0 mm 303.0 mm ± 3.00% 1.00 3.00 Comply * Calber Range # ± 3.00% 1.00 3.00 Comply Manufacturing length: 610.0 mm ASTM C499 ± 0.50%; ± 2.00mm 0.02 0.06 Comply Manufacturing width: 303.1 mm ASTM C499 ± 0.50%; ± 2.00mm 0.02 0.06 Comply Varage bigginal, % ASTM C485 ± 0.50%; ± 2.00mm 0.02 0.06 Comply Varage bigginal, % ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.04 0.40 0.00 Comply Vedging, % ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.04 0.40 0.00 Comply Vedging, % ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.04 0.40 0.00 Comply Vedging, % ASTM C499 ASTM C499 Max 1.02 mm 1.11 0.10 Comply Vedging, % ASTM C1027 ASTM C424 Pass Approved Comply					(%)	(mm)		
Manufacturing length: 610.0 mm ASTM C499 ± 3.00% 0.00 0.00 Comply Manufacturing width: 303.0 mm ASTM C499 ± 3.00% 1.00 3.00 Comply * Caller Range Manufacturing length: 610.0 mm ASTM C499 ± 0.50%; ± 2.00mm 0.02 0.06 Comply Manufacturing width: 303.1 mm ASTM C499 ± 0.50%; ± 2.00mm 0.07 0.07 0.20 0.20 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 0.04 0.40 0.00 Comply * Warpage Edge,% ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.04 0.40 0.00 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 0.40 0.40 0.00 Comply * Warpage Edge,% ASTM C495 ± 0.50%; ± 2.00mm 0.06 0.40 0.40 0.00 Comply * Warpage Edge,% ASTM C429 Max. 1.02 mm -1.11 -0.10 Comply * Warpage Edge,% ASTM C429 Max. 1.02 mm -1.11 0.40 Comply <tr< td=""><td>* Nominal Size, mm</td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>	* Nominal Size, mm							
ASTM C499 ASTM C499	Nominal length:	610.0 mm						
Maninal width: 300.0 mm ± 3.00% 1.00 3.00 Comply * Caller Range Manufacturing length: 610.0 mm ASTM C499 ± 0.50%; ± 2.00mm -0.06 -0.34 Comply * Manufacturing length: 609.7 mm ASTM C499 ± 0.50%; ± 2.00mm -0.06 -0.34 Comply * Warpage Edgo % ASTM C485 ± 0.50%; ± 2.00mm 0.02 0.06 Comply * Warpage Edgo % ASTM C485 ± 0.50%; ± 2.00mm 0.07 0.20 0.20 Comply * Warpage Edgo % ASTM C485 ± 0.50%; ± 2.00mm 0.06 -0.40 0.40 -0.30 Comply * Warpage Edgo % ASTM C485 ± 0.50%; ± 2.00mm 0.06 -0.40 0.40 -0.40 Comply * Warpage Edgo % ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply * Warpage Edgo % ASTM C429 Max. 1.02 mm -1.11 -0.10 Comply * Water Absorption, % ASTM C424 PROPERTIES Comply -0.40 -0.40 Comply <	Manufacturing length:	610.0 mm	ASTM C499	± 3.00%	0.00	0.00	Comply	
* Caliber Range Astmatacturing length: 610.0 mm Astmatacturing length: 609.7 mm Astmatacturing width: 303.0 mm Astm C499 ± 0.50%; ± 2.00mm -0.06 -0.34 Comply * Warpage Elength: 609.7 mm Astm C495 ± 0.50%; ± 2.00mm 0.02 0.06 Comply * Warpage Diagonal, % ASTM C485 ± 0.50%; ± 2.00mm 0.07 0.07 0.20 0.20 Comply * Warpage Diagonal, % ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.04 0.40 -0.30 Comply * Warpage Diagonal, % ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.04 0.40 -0.00 Comply * Thickness, mm Manufacturing: 9.0 mm ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply * Visible Abrasion Resistance ASTM C491 Max. 1.02 mm -1.11 -0.40 Comply * Visible Abrasion Resistance ASTM C424 Pass Approved Comply * Visible Strangth, lbf ASTM C450 As reported Resistant Comply * Optimic coefficient of friction - DCOF ASTM C450 As reported	Nominal width:	300.0 mm	1011110400					
Manufacturing length: 610.0 mm ASTM C499 ± 0.50%; ± 2.00mm -0.06 -0.34 Comply Manufacturing width: 303.0 mm ± 0.50%; ± 2.00mm 0.02 0.06 Comply * Warpage Edge;% ASTM C485 ± 0.50%; ± 2.00mm 0.07 0.07 0.20 0.20 Comply * Warpage Diagonal, % ASTM C485 ± 0.50%; ± 1.80mm 0.06 0.09 0.40 0.60 Comply * Warpage Diagonal, % ASTM C485 ± 0.50%; ± 1.80mm 0.06 0.04 0.40 0.00 Comply * Warpage Diagonal, % ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply * Manufacturing: 9.0 mm ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply * Thickness, mn Manufacturing: 8.5 mm ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply * Wargage Resistance ASTM C491 ASTM C491 As reported PEI III - - - - - - - - - - - - - - - - -	Manufacturing width:	303.0 mm		± 3.00%	1.00	3.00	Comply	
Average length: 609.7 mm Manufacturing width: 303.0 mm 303.0 mm ASTM C499 ± 0.50%; ± 2.00mm 0.02 0.06 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 1.80mm 0.07 0.07 0.02 0.06 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 1.80mm 0.06 0.04 0.40 0.00 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 1.80mm 0.06 0.04 0.40 0.00 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.04 0.40 0.00 Comply Warpage Edge,% ASTM C499 Max.102 mm 0.11 -0.10 Comply * Tickness, mm Manufacturing: 9.0 mm Average result: ASTM C1027 As reported PEI III - * Visible Abrasion Resistance ASTM C499 Max.102 mm 0.40 - Comply * Cazing Resistance ASTM C491 ASTM C492 Pass Approved Comply * Opnamic coefficient of friction - DCOF ANSI A137.1 Section 9.6 2.0.42 0.49 Comply * Opnamic coefficient of friction -	* Caliber Range							
AstTM C499 ASTM C499 0.02 0.06 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 2.00mm 0.07 -0.07 0.20 -0.06 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 2.00mm 0.06 -0.09 0.40 -0.60 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 2.00mm 0.06 -0.09 0.40 -0.60 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 2.00mm 0.06 -0.04 0.40 -0.60 Comply * Warpage Edge,% ASTM C499 Max.102 mm -1.11 -0.10 Comply * Thickness, mm ASTM C499 Max.102 mm -1.11 -0.10 Comply Manufacturing: 9.0 mm ASTM C1027 As reported PEI III - Visible Abrasion Resistance ASTM C1027 As reported PEI III - - * Visible Abrasion Resistance ASTM C424 Pass Approved Comply * Chemical Resistance ASTM C424 Pass Approved Comply * Opharmic coefficient of friction - DCOF ANSI A137.1 </td <td>Manufacturing length:</td> <td>610.0 mm</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Manufacturing length:	610.0 mm						
Manufacturing width: 303.0 mm ± 0.50%; ± 2.00mm 0.02 0.06 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 1.80mm 0.06 0.00 0.40 0.60 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 1.80mm 0.06 0.40 0.40 0.60 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 1.80mm 0.06 0.40 0.40 0.00 Comply Warpage Edge,% ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.40 0.40 0.00 Comply Wargage Edge,% ASTM C485 ± 0.50%; ± 2.00mm 0.06 0.40 0.40 0.00 Comply * Wargage result: 8.9 mm ASTM C499 Max.102 mm 1.11 -0.10 Comply * Visible Abrasion Resistance ASTM C424 Pass Approved Comply * Water Absorption,% ASTM C488 Average 275 468 Comply * Crazing Resistance ASTM C648 Average 275 468 Comply * Dynamic coefficient of friction - DCOF ASTM C648 As reported Resistant Resistant <td< td=""><td>Average length:</td><td>609.7 mm</td><td>A CTN4 C 400</td><td>± 0.50%; ± 2.00mm</td><td>-0.06</td><td>-0.34</td><td>Comply</td></td<>	Average length:	609.7 mm	A CTN4 C 400	± 0.50%; ± 2.00mm	-0.06	-0.34	Comply	
* Warpage Edge,% ASTM C485 ± 0.50%; ± 1.80mm 0.07 0.07 0.20 0.00 * Warpage Diagonal,% ASTM C485 ± 0.50%; ± 1.80mm 0.06 0.00	Manufacturing width:	303.0 mm	ASTM C499					
* Warpage Diagonal, % ASTM C485 ± 0.50%; ± 1.80mm 0.06 -0.09 0.40 -0.60 Comply * Wedging, % ASTM C502 ± 0.50%; ± 2.00mm 0.06 -0.40 -0.30 Comply * Thickness, mm ASTM C502 ± 0.50%; ± 2.00mm -1.11 -0.10 Comply * Manufacturing: 9.0 mm ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply * Visible Abrasion Resistance ASTM C1027 As reported PEI III - - * Visible Abrasion Resistance ASTM C1027 As reported in PPEI III - - - * Water Absorption, % ASTM C432 Pass Approved Comply Comply * Crazing Resistance ASTM C424 Pass Approved Comply Comply * Dynamic coefficient of friction - DCOF ANSI A137.1 Section 9.6 ≥ 0.42 0.49 - Comply * Stain Resistance ASTM C650 As reported Resistant Comply Comply * Stain Resistance ASTM C1378 As reported Resistant Comply * Stain Resistance	Average width:	303.1 mm		± 0.50%; ± 2.00mm	0.02	0.06	Comply	
* Wedging, % * Thickness, mm Manufacturing: A serage result:ASTM C502 9.0 mm ASTM C499 $\pm 0.50\%$; $\pm 2.00mm$ $0.06 -0.04$ 0.40 -0.30ComplyAstm C499Max. 1.02 mm-1.11-0.10ComplyPHYSICAL PROPERTIES* Visible Abrasion ResistanceASTM C1027 ASTM C373As reportedPEI III-* Water Absorption, %ASTM C424 ASTM C424PassApprovedComply* Crazing ResistanceASTM C424 ASTM C424PassApprovedComply* Breaking Strength, lbfASTM C648 Astm C424Average 2275 Individual ≥ 250 468 451Comply* Opnamic coefficient of friction - DCOF 	* Warpage Edge,%		ASTM C485	± 0.50%; ± 1.80mm	0.07 -0.07	0.20 -0.20	Comply	
* Thickness, mm Manufacturing: 9.0 mm Average result: 8.9 mm ASTM C499 Max. 1.02 mm ASTM C499 Max. 1.02 mm Max. 1.02 mm Max. 1.02 mm Max. 1.02 mm 1.11 -0.10 Comply ASTM C497 AS reported PEI III 0.40 Comply ASTM C427 AS reported PEI III 0.40 Comply ASTM C424 ASTM C424 Pass Approved Comply ASTM C424 ASTM C424 Pass Approved Comply ASTM C424 ASTM C424 Pass Approved Comply ASTM C424 ASTM C424 Astrage 2275 468 Comply ASTM C426 ASTM C426 ASTM C427 Astrage 2275 468 Comply ASTM C426 ASTM C427 Astrage 2275 468 Comply	* Warpage Diagonal, %		ASTM C485	± 0.50%; ± 1.80mm	0.06 -0.09	0.40 -0.60	Comply	
Manufacturing: 9.0 nm ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply Average result: 9.0 nm ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply Visible Abrasion Resistance ASTM C1027 As reported PEI III - - Visible Abrasion Resistance ASTM C1027 As reported in (P1) 0.40 Comply Vater Absorption, % ASTM C424 Pass Approved Comply * Orazing Resistance ASTM C48 Average 2275 468 Comply * Breaking Strength, lbf ASTM C648 Average 2275 451 Comply * Opnamic coefficient of friction - DCOF ANSI A137.1 >0.42 0.49 Comply * Vet Section 9.6 ≥ 0.42 0.49 Comply * Chemical Resistance ASTM C650 As reported Resistant Comply * Stain Resistance ASTM C630 As reported Resistant Comply * Stain Resistance ASTM C630 As reported Resistant Comply * Stain Resistance ASTM C630 As reported Resistant <td>* Wedging, %</td> <td></td> <td>ASTM C502</td> <td>± 0.50%; ± 2.00mm</td> <td>0.06 -0.04</td> <td>0.40 -0.30</td> <td>Comply</td>	* Wedging, %		ASTM C502	± 0.50%; ± 2.00mm	0.06 -0.04	0.40 -0.30	Comply	
Average result: 8.9 mm ASTM C499 Max. 1.02 mm -1.11 -0.10 Comply * Visible Abrasion Resistance ASTM C1027 As reported PEI III - * Visible Abrasion Resistance ASTM C1027 As reported PEI III - * Water Absorption, % ASTM C373 Impervious Porcelain (P1) wa ≤0.5% 0.40 Comply * Crazing Resistance ASTM C424 Pass Approved Comply * Crazing Resistance ASTM C648 Average ≥ 275 468 Comply * Dynamic coefficient of friction - DCOF ANSI A137.1 AstM C630 Astm C1378 20.42 0.49 Comply * Chemical Resistance ASTM C1378 ASTM C630 As reported Resistant Comply * Stain Resistance ASTM C1378 ASTM C1378 As reported Resistant Comply * Stain Resistance ASTM C1378 Astm C630 As reported Resistant Comply * Stain Resistance ASTM C1378 Astm C1378 As reported Resistant Comply * Chemical Resistance ASTM C1378 As reported Resistant	* Thickness, mm							
PHYSICAL PROPERTIES PHYSICAL PROPERTIES * Visible Abrasion Resistance ASTM C1027 As reported PEI III - * Water Absorption, % ASTM C373 Impervious Porcelain (P1) wa ≤0.5% 0.40 Comply * Crazing Resistance ASTM C424 Pass Approved Comply * Crazing Resistance ASTM C424 Pass Approved Comply * Breaking Strength, lbf ASTM C648 Average ≥275 468 Comply * Dynamic coefficient of friction - DCOF ANSI A137.1 Section 9.6 ≥ 0.42 0.49 Comply * Chemical Resistance ASTM C650 As reported Resistant Comply * Chemical Resistance ASTM C650 As reported Resistant Comply * Stain Resistance ASTM C1378 As reported Resistant Comply * Stain Resistance ASTM C650 As reported Resistant Comply * Stain Resistance ASTM C1378 As reported Resistant Comply * Stain Resistance ASTM C1378 As reported in Tile The weight, the tone and the dimensions esubject to spandicable variations of the processes of	Manufacturing:	9.0 mm						
* Visible Abrasion Resistance ASTM C1027 As reported PEI III - * Water Absorption, % ASTM C373 Impervious Porcelain (P1) wa ≤0.5% 0.40 Comply * Crazing Resistance ASTM C424 Pass Approved Comply * Breaking Strength, lbf ASTM C648 Average ≥ 275 468 Comply * Dynamic coefficient of friction - DCOF ANSI A137.1 ≥ 0.42 0.49 Comply * Wet Section 9.6 ≥ 0.42 0.49 Comply * Chemical Resistance ASTM C650 As reported Resistant Comply * Chemical Resistance ASTM C1378 As reported Resistant Comply * Stain Resistance ASTM C1378 As reported Resistant Comply * Stain Resistance ASTM C1378 As reported Resistant Comply Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. Friday, October 8, 2021 Prepared by: Quality Supervisor <td>Average result:</td> <td>8.9 mm</td> <td>ASTM C499</td> <td>Max. 1.02 mm</td> <td>-1.11</td> <td>-0.10</td> <td>Comply</td>	Average result:	8.9 mm	ASTM C499	Max. 1.02 mm	-1.11	-0.10	Comply	
* Water Absorption, %ASTM C373Impervious Porcelain (P1) wa $\leq 0.5\%$ 0.40Comply* Crazing ResistanceASTM C424PassApprovedComply* Breaking Strength, lbfASTM C648Average ≥ 275 Individual ≥ 250 468Comply* Dynamic coefficient of friction - DCOF WetANSI A137.1 Section 9.6 ≥ 0.42 0.49Comply* Chemical ResistanceASTM C650 ASTM C1378 ≥ 0.42 0.49Comply* Chemical ResistanceASTM C650 ASTM C1378As reported As reportedResistant ResistantComply* Stain ResistanceASTM C1378As reported of the processes of ceramic cooking.Stain C500 CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to spice the typical unavoidable variations of the processes of ceramic cooking.Friday, October 8, 2021Prepared by: Quality SupervisorReviewed by: Manager Quality Assurate			PHYSIC	CAL PROPERTIES			1	
Water Absorption, %ASTM C3/3ASTM C3/3Water Absorption0.40Comply* Crazing ResistanceASTM C424PassApprovedComply* Breaking Strength, lbfASTM C648Average ≥ 275468Comply* Dynamic coefficient of friction - DCOFANSI A137.1≥ 0.420.49Comply* WetSection 9.6≥ 0.420.49Comply* Chemical ResistanceASTM C650As reportedResistantComply* Chemical ResistanceASTM C650As reportedResistantComply* Stain ResistanceASTM C1378As reportedResistantComplyRequirements verified as indicated in AMERICAN STANDARD, ANSI A137.1.As reported in Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking.Friday, October 8, 2021DATE OF ISSUEFriday.Reviewed guality AssumationsPrepared by: Guality SuperviseReviewed guality Assumations	* Visible Abrasion Resistance		ASTM C1027	As reported	PEI III		-	
* Breaking Strength, lbf ASTM C648 Average ≥ 275 Individual ≥ 250 468 451 Comply Comply * Dynamic coefficient of friction - DCOF Wet ANSI A137.1 Section 9.6 ≥ 0.42 0.49 Comply • Chemical Resistance ASTM C650 ASTM C650 ASTM C1378 As reported As reported Resistant Resistant Comply • Stain Resistance ASTM C1378 ASTM C1378 As reported As reported Resistant Resistant Comply Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. Friday, October 8, 2021 DATE OF ISSUE Friday, October 8, 2021	* Water Absorption, %		ASTM C373		0.4	40	Comply	
Image: bornamic coefficient of friction - DCOFANSI A137.1 Section 9.6Individual ≥ 250 451ComplyWet $ANSI A137.1$ Section 9.6 ≥ 0.42 0.49 ComplyCHEWICLE PROPERTIES* Chemical ResistanceResistanceCHEWICLE PROPERTIES* Chemical ResistanceASTM C650 ASTM C1378As reported As reportedResistant ResistantComply Comply* Stain ResistanceASTM C650 ASTM C1378As reported As reportedResistant ResistantComply ComplyRequirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking.Friday, October 8, 2021Prepared by: Quality SuperviseReviewe Yanager Quality Assurate	* Crazing Resistance		ASTM C424	Pass	Appr	oved	Comply	
* Dynamic coefficient of friction - DCOF Wet ANSI A137.1 Section 9.6 ≥ 0.42 0.49 Comply CHEMICAL PROPERTIES * Chemical Resistance ASTM C650 ASTM C1378 As reported Resistant Resistant Comply Comply * Stain Resistance ASTM C1378 As reported Resistant Comply Comply Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. Friday, October 8, 2021 DATE OF ISSUE Friday, October 8, 2021	* Breaking Strength, lbf		ASTM C648	Average ≥ 275	46	68	Comply	
Wet ANSI A13.7.1 Section 9.6 ≥ 0.42 0.49 Comply CHEMICAL PROPERTIES * Chemical Resistance ASTM C650 ASTM C1378 As reported Resistant Resistant Comply * Stain Resistance ASTM C1378 As reported Resistant Resistant Comply Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. Friday, October 8, 2021 Reviewed by: Manager Quality Assurance				Individual ≥ 250	45	51	Comply	
CHEMICAL PROPERTIES * Chemical Resistance ASTM C650 ASTM C1378 As reported As reported Resistant Resistant Comply Comply Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. Friday, October 8, 2021 Prepared by: Quality Supervisor Reviewed by: Manager Quality Assurance	* Dynamic coefficient of friction - D	COF	ANSI A137.1					
* Chemical Resistance ASTM C650 ASTM C1378 As reported Resistant Comply Comply * Stain Resistance ASTM C1378 As reported Resistant Comply Comply Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. Friday, October 8, 2021 DATE OF ISSUE Reviewed by: Manager Quality Assurance	Wet		Section 9.6	≥ 0.42	0.4	49	Comply	
* Stain Resistance ASTM C1378 As reported Resistant Comply Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. Friday, October 8, 2021 Reviewed by: Manager Quality Assurance			CHEMI	CAL PROPERTIES				
* Stain Resistance ASTM C1378 As reported Resistant Comply Requirements verified as indicated in AMERICAN STANDARD, ANSI A137.1. AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. Friday, October 8, 2021 DATE OF ISSUE Reviewed by: Manager Quality Assurance	* Chemical Resistance		ASTM C650	As reported	Resi	stant	Comply	
AMERICAN NATIONAL STANDARD SPECIFICATIONS FOR CERAMIC TILE / Table 10: Porcelain Tile The weight, the tone and the dimensions are subject to some of the typical unavoidable variations of the processes of ceramic cooking. DATE OF ISSUE Friday, October 8, 2021 Prepared by: Quality Supervisor Reviewed by: Manager Quality Assurance	* Stain Resistance		ASTM C1378	As reported	Resi	stant	Comply	
DATE OF ISSUE Friday, October 8, 2021 Prepared by: Quality Supervisor Reviewed by: Manager Quality Assurance	AMERICAN NATION The weight, the tone a	AL STANDARD SPI	ECIFICATIONS F	OR CERAMIC TILE / Table 10: Por		es	<u> </u>	
Prepared by: Quality Supervisor Reviewed by: Manager Quality Assurance	-	E OF ISSUE			Friday, October	8, 2021		
	Prepared by: Quality Supervisor			Reviewed	·			



TECHNICAL SHEET PORC CMTO SOHO SILVER 30X61EXT1.66

EVALUATED FEATURE		TEST METHOD	NORM ANSI A137.1 REQUIREMENTS (Table 10)	RESULTS		CONCLUSION	
		D	IMENSIONS				
				(%)	(mm)		
* Nominal Size, mm							
Nominal length:	610.0 mm						
Manufacturing length:	610.0 mm	ASTM C499	± 3.00%	0.00	0.00	Comply	
Nominal width:	300.0 mm	ASTM 0433					
Manufacturing width:	303.0 mm		± 3.00%	1.00	3.00	Comply	
* Caliber Range							
Manufacturing length:	610.0 mm						
Average length:	608.4 mm	A CT14 C 400	± 0.50%; ± 2.00mm	-0.26	-1.59	Comply	
Manufacturing width:	303.0 mm	ASTM C499					
Average width:	302.4 mm		± 0.50%; ± 2.00mm	-0.21	-0.63	Comply	
* Warpage Edge,%		ASTM C485	± 0.50%; ± 1.80mm	0.03 -0.10	0.10 -0.30	Comply	
* Warpage Diagonal, %		ASTM C485	± 0.50%; ± 1.80mm	0.07 -0.07	0.50 -0.50	Comply	
* Wedging, %		ASTM C502	± 0.50%; ± 2.00mm	0.06 -0.04	0.40 -0.30	Comply	
* Thickness, mm							
Manufacturing:	9.0 mm						
Average result:	9.0 mm	ASTM C499	Max. 1.02 mm	0.00	0.00	Comply	
		PHYSIC	CAL PROPERTIES	I		I	
* Visible Abrasion Resistance		ASTM C1027	As reported	PEI II		-	
* Water Absorption, %		ASTM C373	Impervious Porcelain (P1) wa ≤0.5%	0.4	40	Comply	
* Crazing Resistance		ASTM C424	Pass	Appr	oved	Comply	
* Breaking Strength, lbf		ASTM C648	Average ≥ 275	48	36	Comply	
			Individual ≥ 250	45	58	Comply	
* Dynamic coefficient of friction - D	COF	ANSI A137.1					
Wet		Section 9.6	≥ 0.42	0.4	49	Comply	
		CHEMI	CAL PROPERTIES				
* Chemical Resistance		ASTM C650	As reported	Resi	stant	Comply	
* Stain Resistance		ASTM C1378	As reported	Resi	stant	Comply	
Requirements verified			NRD, ANSI A137.1. OR CERAMIC TILE / Table 10: Por	celain Tile			
			ne of the typical unavoidable variati		es		
DATE OF ISSUE				Friday, October 8, 2021			
Prepared by: Quality Supervisor			Reviewe	Reviewed by: Manager Quality Assurance			
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