

# EON

## COLORED BODY PORCELAIN TILE



Compliant with standards ANSI A137.1-2012

SIZE - THICKNESS

11 3/4" x 23 5/8" - 30x60 cm ± 9 mm  
23 5/8" x 23 5/8" - 60x60 cm ± 9 mm

FINISH

MATTE



V2

### SLIGHT VARIATION

Clearly distinguishable differences in texture and/or pattern within similar colors.

### FIELD TILES - Available in all colors

Nominal size (in)	Thickness (mm)	Finish	Rectified edge
11 3/4" x 23 5/8"	9 mm	Matte	-
23 5/8" x 23 5/8"	9 mm	Matte	Yes

### MOSAICS AND COORDINATING TRIMS - Available in all colors

	Nominal size (in)	Thickness (mm)	Finish
Mosaic 2"x2"	11 3/4" x 11 3/4"	9 mm	Matte
Herringbone Mosaic 1"x4"	11 3/4" x 11 3/4"	9 mm	Matte
Bullnose 3"x24"	2 7/8" x 23 5/8"	9 mm	Matte
Cove Base 6"x12"	5 7/8" x 11 3/4"	8.5 mm (*)	Matte

Please refer to caliber chart for work sizes.  
Close joints are not recommended.  
(\*): Cove Base thickness is 7 mm on flat top part.

## PERFORMANCE & FEATURES

	PROPERTY	ASTM TEST METHOD	Porcelain Tile Specification				EON Floor	
			Calibrated		Rectified			
			Minimum	Maximum	Minimum	Maximum		
REGULARITY CHARACTERISTICS		Nominal Size	-3.00%	3.00%	-3.00%	2.00%	Compliant	
		Caliber Range (Variation from average facial dimension of sample)	-0.50% or -0.08 in (-2.0 mm) (*)	0.50% or 0.08 in (2.0 mm) (*)	-0.25% or -0.03 in (-0.8 mm) (*)	0.25% or 0.03 in (0.8 mm) (*)	Compliant	
		Thickness <sup>(1)</sup>	N/A	Range: 0.40 in (1.02 mm)	N/A	Range: 0.40 in (1.02 mm)	Compliant	
		Wedging	ASTM C502	-0.50% or -0.08 in (-2.0 mm) (*)	0.50% or 0.08 in (2.0 mm) (*)	-0.25% or -0.03 in (-0.8 mm) (*)	0.25% or 0.03 in (0.8 mm) (*)	Compliant
		Warpage Edge	ASTM C485	-0.75% or -0.09 in (-2.3 mm) (*)	0.75% or 0.09 in (2.3 mm) (*)	-0.40% or -0.05 in (-1.3 mm) <sup>(2)</sup> or -1.8 mm <sup>(3)</sup> (*)	0.40% or 0.05 in (1.3 mm) <sup>(2)</sup> or 1.8 mm <sup>(3)</sup> (*)	Compliant
		Warpage Diagonal		-0.50% or -0.08 in (-2.0 mm) (*)	0.50% or 0.08 in (2.0 mm) (*)	-0.40% or -0.07 in (-1.8 mm) (*)	0.40% or 0.07 in (1.8 mm) (*)	Compliant
<b>All Porcelain Tiles</b>								
STRUCTURAL CHARACTERISTICS		Water Absorption	ASTM C373	≤ 0.5%		≤ 0.5%		
BULK MECHANICAL CHARACTERISTICS		Breaking strength	ASTM C648	Average ≥ 250 lbf. (1.11 kN) Individual ≥ 225 lbf. (1.00 kN)		≥ 350 lbf. avg		
PHISICAL PROPERTIES		Bond Strength	ASTM C482	≥ 50 psi (0.34 Mpa)		≥ 100 psi		
THERMAL AND IGROMETRIC CHARACTERISTICS		Resistance to Freeze/Thaw Cycling	ASTM C1026	As Reported		Resistant		
CHEMICAL CHARACTERISTICS		Chemical Resistance	ASTM C650	As Reported		Unaffected		
		Stain Resistance	ASTM C1378	As Reported		Unaffected		
SAFETY CHARACTERISTICS		Dynamic coefficient of friction	DCOF	Requires a minimum value of 0.42 for commercial areas that are likely to be wet		> 0.42 Wet		

(\*) Whichever is less

(1) May not apply to textured surfaces or tiles with uneven back patterns.

(2) Whichever is less, for tiles up to 24"x24" (610 mm x 610 mm).

(3) Applies to tiles larger than 24"x24" (610 mm x 610 mm).

The Health Product Declaration® logo is a registered trademark of HPD Collaborative.





Compliant with standards ANSI A137.1-2012

**SIZE - THICKNESS**

12<sup>3/8"</sup> x 22<sup>1/2"</sup> - 31.5x57 cm  $\nabla$  8.5 mm  
 3<sup>1/8"</sup> x 12<sup>3/8"</sup> - 8x31.5 cm  $\nabla$  8.5 mm

**FINISH**

GLOSSY



**SLIGHT VARIATION**

Clearly distinguishable differences in texture and/or pattern within similar colors.










**FIELD TILES - Available in all colors**

Nominal size (in)	Thickness (mm)	Finish
3 1/8" x 12 3/8"	8.5 mm	Glossy
12 3/8" x 22 1/2"	8.5 mm	Glossy

**MOSAICS AND COORDINATING TRIMS - Available in all colors**

	Nominal size (in)	Thickness (mm)	Finish
Brick Mosaic 1"x2"	12" x 12"	8.5 mm	Glossy
Twist Mosaic 1.5"x2.5"	12" x 12"	8.5 mm	Glossy
Listello 3"x12	3 1/8" x 12 3/8"	8.5 mm	Glossy
Wall Bullnose 2"x12"	2" x 12 3/8"	8.5 mm	Glossy
Chair Rail 2"x12"	1 7/8" x 12 3/8"	-	Glossy
Corner Line 1/2"x12"	1/2" x 12 3/8"	-	Glossy

### PERFORMANCE & FEATURES

		PROPERTY	ASTM TEST METHOD	Glazed Wall Tile Specification				EON Wall
				Calibrated		Rectified		
				Minimum	Maximum	Minimum	Maximum	
REGULARITY CHARACTERISTICS		Nominal Size	ASTM C499	-2.00%	2.00%	-2.00%	2.00%	Compliant
		Caliber Range (Variation from average facial dimension of sample)		-0.30% or -0.04 in (-1.0 mm) (*)	0.30% or 0.04 in (1.0 mm) (*)	-0.25% or -0.03 in (-0.8 mm) (*)	0.25% or 0.03 in (0.8 mm) (*)	Compliant
		Thickness <sup>(1)</sup>		N/A	Range: 0.031 in (0.79 mm)	N/A	Range: 0.031 in (0.79 mm)	Compliant
	Wedging	ASTM C502	-0.40% or -0.05 in (-1.3 mm) (*)	0.40% or 0.05 in (-1.3 mm) (*)	-0.25% or -0.03 in (-0.8 mm) (*)	0.25% or 0.03 in (0.8 mm) (*)	Compliant	
		Warpage Edge	ASTM C485	-0.30% or -0.04 in (-1.0 mm) (*)	0.40% or 0.05 in (1.3 mm) (*)	-0.30% or -0.04 in (-1.0 mm) (*)	0.40% or 0.05 in (1.3 mm) (*)	Compliant
Warpage Diagonal		-0.30% or -0.05 in (-1.3 mm) (*)		0.40% or 0.07 in (1.8 mm) (*)	-0.30% or -0.05 in (-1.3 mm) (*)	0.40% or 0.07 in (1.8 mm) (*)	Compliant	
				All Glazed Wall Tile				
STRUCTURAL CHARACTERISTICS		Water Absorption	ASTM C373	≥ 10.0%				10% - 20%
BULK MECHANICAL CHARACTERISTICS		Breaking Strength	ASTM C648	Average ≥ 125 lbf. (1.11 kN) Individual ≥ 100 lbf. (0.44 kN)				≥ 175 lbf. avg
PHISICAL PROPERTIES		Bond Strength	ASTM C482	≥ 50 psi (0.34 Mpa)				≥ 100 psi
THERMAL AND IGROMETRIC CHARACTERISTICS		Crazing Resistance	ASTM C424	Pass				Resistant
		Thermal Shock Resistance	ASTM C484	Pass				Resistant
CHEMICAL CHARACTERISTICS		Chemical Resistance	ASTM C650	As Reported				Unaffected
		Stain Resistance	ASTM C1378	As Reported				Unaffected

(\*) Whichever is less

(1) May not apply to textured surfaces or tiles with uneven back patterns.

The Health Product Declaration® logo is a registered trademark of HPD Collaborative.