



IMPERIAL		METRIC		SIZE TOLERANCE		SAFETY						SOLAR REFLECTANCE		THERMAL HYGROMETRIC			LRV		LIGHT	STRUCTURAL					SURFACE	RESISTANCE TO CHEMICALS		HEAVY METALS			
	Weight per sqft		Weight per sqm	Dimension	Thickness	Dynamic coefficient of friction	Dry static coefficient of friction	Wet static coefficient of friction**	Dynamic coefficient of friction	Wet Pendulum Classification	Wet Pendulum Mean BPN/ SRV	Oil-wet Ramp	SRI	SR Value	Linear Thermal-Expansion	Thermal Shock Resistance	Frost Resistance	Dry (%)	Wet (%)	Colour Resistance to Light Exposure	Water Absorption	Breaking Strength	Modulus of Rupture	Impact Resistance	Breaking Load Class	Abrasion Resistance	Resistance to Chemicals (Acids, Bases and Salts)	Resistance to Stains	Lead & Cadmium		
	lbs		kgs	ISO 10545-2	ISO 10545-2	DM 236/89 BCRA	ASTM C1028	ASTM C1028	ANSI A137.1	AS 4586:2013		DIN51130	ASTM E 1980-01			ISO 10545-8	ISO 10545-9	ISO 10545-12	AS 1428.1		DIN 51094	ISO 10545-3	ISO 10545-4	ISO 10545-4	ISO 10545-5	EN 1339	ISO 10545-6	ISO 10545-13	ISO 10545-14	ISO 10545-15	
	Value Declared		Value Declared	+/- 2.0mm	+/- 0.5mm	> 0.4	DRY SCOF > 0.6	WET SCOF > 0.6	WET DCOF > 0.42	Value Declared	Value Declared	Value Declared	Value Declared	Value Declared	Value Declared	Value Declared	Test Passed	Test Passed	Value Declared	Value Declared	No noticeable colour modifications	≤ 0.5%	≥ 1300 N	≥ 35 N/mm <sup>2</sup>	Value Declared	Value Declared	≤ 175mm <sup>3</sup>	UB Minimum	≥ 3	Value Declared	
<b>RIVERDANCE</b>																															
24" x 24", 3/4"	9	596x596mm, 20mm	46			0.91	0.97	0.78			R11		41	0.38	α = 6.6x10 <sup>-6</sup> °C <sup>-1</sup>	No Damage	No Damage	28.26	24.90	Compliant	< 0.1%	≥ 13.000 N	≥ 50 N/mm <sup>2</sup>		U11 / T11	≤ 145mm <sup>3</sup>	Guaranteed	Guaranteed	n/a		
24" x 47", 3/4"	9	1197x596mm, 20mm	46	Compliant	Compliant							R11																			
<b>RIVET</b>																															
24" x 24", 3/8"	4	598x598mm, 9mm	21								P4	53	R10																		
24" x 24", 3/4"	9	598x598mm, 20mm	46								P4	46	R11																		
31 1/2" x 31 1/2", 3/4"	9	798x798mm, 20mm	46	Compliant	Compliant	> 0.40	> 0.60	> 0.60	> 0.42		P4	46	R11	66	0.55	α = 6.6x10 <sup>-6</sup> °C <sup>-1</sup>	No Damage	No Damage	49.72	46.46	Compliant	< 0.1%	≥ 2.400 N	≥ 48 N/mm <sup>2</sup>	> 0.80		< 150mm <sup>3</sup>	A LA HA	5	< til	
24" x 47 1/4", 3/8"	4	1198x598mm, 9mm	21								P4	53	R10																		
24" x 47 1/4", 3/4"	9	1198x598mm, 20mm	46								P4	46	R11																		
<b>SHUTTLE FLECK</b>																															
24" x 24", 3/4"	9	598x598mm, 20mm	46			> 0.40	> 0.60	> 0.60	> 0.42		P5	56	R11	41	0.38	α = 6.5x10 <sup>-6</sup> °C <sup>-1</sup>	No Damage	No Damage	34.12	31.48	Compliant	< 0.1%	≥ 12.500 N	≥ 48 N/mm <sup>2</sup>	> 0.80		< 150mm <sup>3</sup>	A LA HA	5	< til	
31 1/2" x 31 1/2", 3/4"	9	798x798mm, 20mm	46	Compliant	Compliant						P5	56	R11																		
<b>SKYWALK</b>																															
24" x 24", 3/4"	9	598x598mm, 20mm	46			> 0.40	> 0.85	> 0.70	> 0.65		P4	53	R11	64	0.54	α = 6.6x10 <sup>-6</sup> °C <sup>-1</sup>	No Damage	No Damage	47.67	43.70	Compliant	< 0.1%	≥ 12.500 N	≥ 48 N/mm <sup>2</sup>	> 0.80		< 150mm <sup>3</sup>	A LA HA	5	< til	
36" x 36", 3/4"	9	898x898mm, 20mm	46	Compliant	Compliant						P4	53	R11																		
<b>STARDUST</b>																															
24" x 24", 3/4"	9	598x598mm, 20mm	46			> 0.40	> 0.85	> 0.70	> 0.65		P4	53	R11	29	0.28	α = 6.6x10 <sup>-6</sup> °C <sup>-1</sup>	No Damage	No Damage	18.91	16.51	Compliant	< 0.1%	≥ 12.500 N	≥ 48 N/mm <sup>2</sup>	> 0.80		< 150mm <sup>3</sup>	A LA HA	5	< til	
36" x 36", 3/4"	9	898x898mm, 20mm	46	Compliant	Compliant						P4	53	R11																		
<b>THISTLEDOWN</b>																															
12" x 47 1/4", 3/4"	9	1198x298mm, 20mm	46			> 0.40	> 0.60	> 0.60	> 0.42		P4	46	R11																		
24" x 47 1/4", 3/8"	4	1198x598mm, 9mm	21	Compliant	Compliant						P4	53	R10	66	0.55	α = 6.6x10 <sup>-6</sup> °C <sup>-1</sup>	No Damage	No Damage	47.67	16.01	Compliant	< 0.1%	≥ 2.400 N	≥ 48 N/mm <sup>2</sup>	> 0.80		< 150mm <sup>3</sup>	A LA HA	5	< til	
24" x 47 1/4", 3/4"	9	1198x598mm, 20mm	46								P4	46	R11																		
<b>WAVELET</b>																															
12" x 47 1/4", 3/4"	9	1198x298mm, 20mm	46			> 0.40	> 0.60	> 0.60	> 0.42		P4	46	R11																		
24" x 47 1/4", 3/8"	4	1198x598mm, 9mm	21	Compliant	Compliant						P4	53	R10	43	0.39	α = 6.6x10 <sup>-6</sup> °C <sup>-1</sup>	No Damage	No Damage	26.31	24.06	Compliant	< 0.1%	≥ 2.400 N	≥ 48 N/mm <sup>2</sup>	> 0.80		< 150mm <sup>3</sup>	A LA HA	5	< til	
24" x 47 1/4", 3/4"	9	1198x598mm, 20mm	46								P4	46	R11																		

**SLIP RESISTANCE >** The slip resistance of a stone can vary considerably depending on the density, porosity, grain size, surface roughness and level of finish. As a general rule of thumb the rougher and more porous the stone, the greater the slip resistance. Exfoliated surfaces generally provide a better resistance to slip than a honed or polished finish.

The wet pendulum (BPN test) according to AS 4586 is the most useful slip rating test for common or public areas. The portable device consists of a weighted foot which comprises a spring-loaded rubber test slider that exerts a prescribed force over the stone as it slides across the wetted surface. The results are expressed as a British Pendulum Number (or Skid Resistance Value SRV).

An (R) rating refers to a product that has been tested using the Oil-wet Ramp Test. This is usually performed with motor oil being used instead of water and safety boots replacing bare foot. An R11 is generally the minimum required product for external finishes.

**SLIP CLASSIFICATIONS**  
 P5 = Very Low (SRV > 54)  
 P4 = Low (SRV 45-54)  
 P3 = Moderate (SRV 35-44)  
 P2 and P1 = High (SRV 25-34 and 2-24 respectively)  
 P0 = Very High (SRV < 12)  
 (Very low - as contribution to risk of slipping)

**SOLAR REFLECTIVE INDEX (SRI) >** SRI is a scale from 0 to 100 on which materials that absorb and retain solar radiation. The lower the SRI, the hotter a material is likely to become in the sunshine.

**SOLAR REFLECTANCE (SR) VALUE >** Ability of a material to reflect solar energy from its surface back into the atmosphere. The SR value is a number 0 to 1.0. The lower the number, the more solar energy the material absorbs. A value of 1.0 means total reflectance.

The SRI is a measure of both the SR and thermal emissivity of materials in a single value. Emissivity is a material's ability to release absorbed energy.

**LRV (LIGHT REFLECTANCE VALUE) >** is the quantity of visible light reflected by a surface at all wavelengths and directions when illuminated. I.e. it is an indicator of reflectance from light.

Totally black = 0, a perfectly absorbing surface  
 Totally white = 100, a perfectly reflective surface

In general, the lowest water absorption is desired. ASTM C97.

**WATER ABSORPTION >** A measure of the porosity of a stone and can also be an indicator of a stone's general durability. A stone that has a greater water absorption will also tend to absorb stains more readily. In general, the lowest water absorption is desired. ASTM C97.

**Modulus of Rupture (MoR) >**  
 In contrast to the flexural strength test, to determine the MoR force is applied directly at the mid point of the span. The stone is more likely to fail directly under the load or point of force rather than at a vein or point of weakness in the material. ASTM C99

n/a = not available  
 Size tolerance | 0.5mm = 1/32"  
 Size tolerance | 2.0mm = 1/16"  
 All imperial sizing is nominal