

ECO OUTDOOR | PRODUCT TECH DATA



WEIGHT PER M ²	SIZE TOLERANCE		SLIP RESISTANCE (UNSEALED)			FLEXURAL STRENGTH (MPa)		MODULUS OF RUPTURE (MPa)		SALT RESISTANCE (% MEAN WEIGHT LOSS)		WATER ABSORPTION (MEAN)		BULK SPECIFIC GRAVITY (KG/M ³)			
	kg / (thickness)	Dimension	Thickness	Oil-Wet Ramp	Mean BPN/ SRV	Classification	Dried Strength	Soaked Strength	Dried	Soaked	Not Sealed	Dry Treat 40SK	% by Weight		% by Volume		
FLOORING																	
BLUESTONE																	
Bluestone	Sawn	Honed	55 (20mm)	+/-2mm	+/-2mm	R11	64	V	19.7	19.9				2710			
		Honed				R10	35	X									
		Bush Hammered					68	V									
		Sandblasted					63	V									
	Euro Bluestone	Sawn	Honed	56 (20mm)	+/-2mm	+/-2mm		68	P5	15.0	12.4	< 0.10 (AA Grade)			2604		
			Heavily Distressed					33	P2								
		Exfoliated & Trip Br					29	P2									
		Exfoliated & Sgl Br					42	X									
Heron			58 (20mm)	+/-2mm	+/-2mm		49	W	21.1	20.2	0.35 (A Grade)	0.50	1.44	2890			
Pacific Bluestone	Torino	Antique	55 (20mm)	+/-3mm	+/-3mm		52	P4	21.7	18.1	< 0.10 (AA Grade)		0.09	0.24	2707		
		Brushed anti-slip					51	P4									
		Brushed					26	Y									
COTTO																	
Antico Luce	Cast		42 (23mm)														
Antico Arrociato			47 (25mm)						4.6	Post freeze-thaw cycles: 5.2							
Antico Carbone			47 (25mm)														
Antico Nero			47 (25mm)														
Antico Notte			47 (25mm)														
Antico Panna			47 (25mm)														
CRAZY PAVING																	
Bolzano	Sawn		71 (30mm)	N/A	+/-2mm				6.8	4.6				2365			
Harvest	Natural split		54 (20mm)	N/A	+/-3mm		67	V	7.0	10.8			0.14 (A Grade)	3.46	8.17	2695	
Mist	Natural split			N/A	+/-3mm		49	W					0.03 (AA Grade)	0.09	0.25	2695	
Saddle	Natural split		40 (15mm)	N/A	+/-3mm		57	V	28.1	19.6				0.90	2.4	2691	
GRANITE																	
Buffalo	Burnished			+/-2mm	+/-2mm		55	V									
Emu	Burnished	Exfoliated	53 (20mm)	+/-2mm	+/-2mm		61	P5	13.1	10.6				0.29	0.76	2636	
		Exfoliated					67	P5									
		Sandblasted					60	P5									
		Sandblasted					55	P5									
Fallow	Exfoliated	Exfoliated & Sgl Br	53 (20mm)	+/-2mm	+/-2mm		51	P4	12.1	10.1	0.06 (AA Grade)			0.27	0.72	2636	
		Exfoliated & Dbl Br					49	P4									
		Exfoliated & Trip Br					51	P4									
		Exfoliated					57	V									
Forest	Honed	Exfoliated	63 (20mm)	+/-2mm	+/-2mm		42	X	17.1	16.9	0.06 (AA Grade)	0.06 (AA Grade)	0.05	0.16	3151		
		Exfoliated					49	P4									
Heron	Exfoliated & Trip Br		58 (20mm)	+/-2mm	+/-2mm		42	X	21.1	20.2	0.35 (A Grade)	0.50	1.44	2890			
	Exfoliated & Sgl Br						49	W									
Lizard	Burnished		56 (20mm)	+/-2mm	+/-2mm				30.1	25.4				0.16	0.46	2820	
Mallard	Exfoliated & Trip Br		58 (20mm)	+/-2mm	+/-2mm		43	X						0.21	0.62	2900	
Raven	Exfoliated	Honed	60 (20mm)	+/-2mm	+/-2mm		52	W	21.8	22.2				0.11	0.33	2971	
		Exfoliated				R13											
		Honed				R9											
Tawny			53 (20mm)														
Tortoise	Bush Hammered & Sgl Br		53 (20mm)				53	W									
HAND PRESSED CEMENT																	
All Colours	Standard finish		40 (16mm)				28	P2									
LIMESTONE																	
Allaro	Tumbled		39 (15mm)	+/-2mm	+/-3mm		55	P4						1.56	4.01	2565	
Andorra	Brushed		52 (20mm)	+/-2mm	+/-3mm		42	P3	13.9	10.2	0.4 (A Grade)			1.58	4.09	2590	
	Honed						50	P4									
New Andorra	Brushed		52 (20mm)	+/-2mm	+/-3mm		43	P3	15.6	9.8	0.5 (A Grade)			1.25	3.27	2617	
Arbon	Tumbled		38 (15mm)				51	P4	13.1	10.8							
	Honed						53	P4									
	Light Honed			+/-2mm	+/-3mm		41	P3						2.32	5.77	2488	
	Sandblasted & Brushed		53 (20mm)				37	P3									
Calchetta	Distressed		46 (18mm)	+/-2mm	+/-3mm		59	P5	12.7	8.1	2.7 (B Grade)			2.07	5.26	2544	
Chalford	Distressed		47 (18mm)	+/-2mm	+/-3mm				13.9	10.2	0.4 (A Grade)			1.58	4.09	2590	
New Chalford	Distressed			+/-2mm	+/-3mm		55	P5						1.25	3.27	2617	
	Sandblasted		47 (18mm)				57	P5	15.6	9.8	0.5 (A Grade)			1.25	3.27	2617	
Colmar	Brushed		50 (20mm)	+/-2mm	+/-3mm		35	P3	9.6	7.2	3.0 (B Grade)			2.84	7.02	2478	
Cush	Tumbled		50 (20mm)	+/-2mm	+/-3mm		49	W	20.3	12.7	0.4 (A Grade)			2.51	6.23	2493	
Dover	Antique		32 (12mm)	+/-2mm	+/-3mm		27	P2	14.8	11.8	0.10 (A Grade)			0.08	0.23	2702	
	Sandblasted						52	P4									
Duro	Sandblasted		51 (20mm)	+/-2mm	+/-3mm		62	P5	16.6	12.3	0.29 (A Grade)			1.56	4.01	2565	
Garonne	Tumbled		38 (15mm)				51	P4	12.7	8.1							
	Light Honed			+/-2mm	+/-3mm		47	P4						2.07	5.26	2544	
	Sandblasted & Brushed		53 (20mm)				40	P3			2.7 (B Grade)						
Jericho	Tumbled		53 (20mm)	+/-2mm	+/-3mm		47	W	14.9	10.6	0.13 (A Grade)			0.70	1.84	2648	
La Roche	Tumbled		52 (20mm)	+/-2mm	+/-3mm		38	X	14.1	13.1	0.15 (A Grade)			0.94	2.47	2615	
Miramar	Sandblasted		52 (20mm)	+/-2mm	+/-3mm		59	P5	15.4	11.9	0.10 (A Grade)			1.11	2.90	2611	
Nettle	Heavily Distressed		55 (20mm)	+/-2mm	+/-3mm		28	P2			0.15 (A Grade)			0.94	2.47	2615	
Sabero	Bush Hammered		52 (20mm)	+/-2mm	+/-3mm				14.1	13.1	0.15 (A Grade)			0.94	2.47	2615	
Vardo	Antique Brushed		46 (20mm)	+/-2mm	+/-3mm		36	P3	9.8	5.8	2.0 (B Grade)			4.22	9.64	2290	
Winbourne	Heavily Distressed		56 (20mm)	+/-2mm	+/-3mm		41	P3			0.10 (A Grade)			1.11	2.90	2611	
Wyndam	Antique Brushed		47 (18mm)	+/-2mm	+/-3mm		39	P3	15.6	9.8	0.5 (A Grade)			1.25	3.27	2617	
PEBBLES																	
PORPHYRY																	
Porphyry	Natural Split			+/-10mm	+/-10mm												
	Sawn		77 (30mm)														
	Flamed								20.4					1.00	UN EN 13755:2008	Average apparent density: 2555	
			1936:2007													UNI EN 1936:2007	
Torino	Brushed anti-slip		47 (20mm)	+/-2mm	+/-2mm		51	P4	6.4	4.6				3.46	8.00	2310	
	Brushed						26	Y			1.9% (B Grade)						
	Sawn						62	V									
SANDSTONE																	
Beauford	Cathedral		75 (30mm)	+/-2mm	+/-2mm												
Bolzano	Sawn		71 (30mm)	N/A	+/-2mm				6.8	4.6				0.14 (A Grade)	3.46	8.17	2365
Brannon	Sawn		67 (30mm)	+/-2mm	+/-3mm		68	P5	7.9	3.6	88.6 (D Grade)	0.1 (A Grade)		6.30	13.98	2219	
	Lightly Honed						54	P4									
Bullen	Sawn		70 (30mm)	+/-2mm	+/-3mm		66	P5	13.3	8.3	1.0 (B Grade)	0.1 (A Grade)		4.82	11.13	2309	
	Lightly Honed						52	P4									
Dax	Distressed		51 (20mm)	+/-2mm	+/-3mm		57	P5	12.7	8.1	2.7 (B Grade)			2.07	5.26	2544	
Iluca	Sawn		66 (30mm)	+/-2mm	+/-2mm		64	P5	6.2	3.7	80.3 (D Grade)	73.2 (D Grade)		6.66	14.52	2179	
Marcoola	Sawn		69 (30mm)	+/-2mm	+/-2mm		70	P5	6.3	3.3	4.6 (B Grade)	2.0 (B Grade)		4.42	10.10	2288	
Osprey	Sawn		65 (30mm)	+/-2mm	+/-2mm		53	P4	6.5	4.9	34.4 (D Grade)	0.2 (A Grade)		6.54	14.08	2153	
Toolara	Distressed		45 (18mm)	+/-2mm	+/-2mm		57	P5	8.2	5.1	14.0 (D Grade)	0.1 (A Grade)		3.22	7.91	2458	
Tonray	Distressed		51 (20mm)	+/-2mm	+/-3mm		61	P5	13.1	10.8	0.7 (A Grade)			2.32	5.77	2488	
Alyss	Natural Split		33 (12mm)	+/-2mm	+/-3mm		54	W	46.1	31.6				0.29	0.79	2730	
Atlantic	Natural Split		33 (12mm)	+/-2mm	+/-3mm		54	W	46.1	31.6				0.23	0.63	2733	
Cobb & Co	Natural Split		54 (20mm)	+/-3mm	+/-3mm		67	V	7.0	10.8				0.03 (AA Grade)	0.09	0.25	2695
Endicott	Natural Split		68 (25mm)	+/-3mm	+/-3mm									0.50	EN 13755	2700	
																Test Method: EN 1936	
Lichen	Natural Split		33 (12mm)	+/-2mm	+/-3mm		53	P4	46.1	31.6				0.31	0.85	2725	
Myrtle	Natural Split		68 (25mm)	+/-3mm	+/-3mm		57	V	28.1	19.6				0.90	2.4	2691	
Capri	Tumbled		51 (20mm)	+/-3mm	+/-3mm		45	W	12.7	9.9				1.16	2.95	2560	
Chambon	Sandblasted		46 (18mm)	+/-2mm	+/-3mm		54	P4	17.4	14.8	0.76 (A Grade)						