

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															
																	Dimension	Thickness													
FLOORING																															
BLUESTONE	Bluestone	Sawn	55 (20mm)	±2mm	±2mm	R11	64	V	19.7	19.9				0.44	1.19	2710															
		Honed				R10	35	X																							
		Bush Hammered				68	V																								
		Sandblasted				63	V																								
	Euro Bluestone	Sawn	56 (20mm)	±2mm	±2mm	68	P5	15.0	12.4	0.10 (AA Grade)	15.0	12.4	< 0.10 (AA Grade)	1.19	3.10	2604															
		Honed				33	P2																								
		Heavily Distressed				29	P2																								
	Heron	Exfoliated & Trip Br	58 (20mm)	±2mm	±2mm	42	X	21.1	20.2	0.35 (A Grade)	21.1	20.2	0.35 (A Grade)	0.50	1.44	2890															
	Exfoliated & Sgl Br	49				W																									
	Pacific Bluestone	Antique	55 (20mm)	±3mm	±3mm	52	P4	21.7	18.1	< 0.10 (AA Grade)	21.7	18.1	< 0.10 (AA Grade)	0.09	0.24	2707															
Torino	Brushed anti-slip	51				P4																									
COTTO	Antico Luce	Cast	42 (23mm)																												
	Antico Arrotato																														
	Antico Carbone																														
	Antico Nero																														
	Antico Notte																														
	Antico Panna																														
	CRAZY PAVING	Bolzano															Sawn	71 (30mm)	N/A	±2mm				6.8	4.6						
		Harvest															Natural split	54 (20mm)	N/A	±3mm				6.7	V	7.0	10.8	0.14 (A Grade)	3.46	8.17	2365
		Mist															Natural split		N/A	±3mm				49	W			0.03 (AA Grade)	0.09	0.25	2695
	GRANITE	Buffalo															Burnished	40 (15mm)	N/A	±3mm				57	V	28.1	19.6		0.90	2.4	2691
																	Exfoliated				55	V									
		Emu															Burnished	53 (20mm)	±2mm	±2mm											
Exfoliated			61	P5	13.1	10.6	11.0	9.1					0.29	0.76	2636																
Sandblasted			67	P5																											
Fallow		60	P5																												
Forest		Exfoliated & Sgl Br	53 (20mm)	±2mm	±2mm	55	P5	12.1	10.1	0.06 (AA Grade)	12.1	10.1	0.06 (AA Grade)	0.06 (AA Grade)	0.05	0.16	3151														
		Exfoliated & Dbl Br				51	P4																								
		Exfoliated & Trip Br				49	P4																								
Heron		Exfoliated & Trip Br	63 (20mm)	±2mm	±2mm	57	V	17.1	16.9	0.06 (AA Grade)	17.1	16.9	0.06 (AA Grade)	0.05	0.16	3151															
		Honed				61	P5																								
Lizard		Exfoliated & Trip Br	58 (20mm)	±2mm	±2mm	42	X	21.1	20.2	0.35 (A Grade)	21.1	20.2	0.35 (A Grade)	0.50	1.44	2890															
		Exfoliated & Sgl Br				49	W																								
Maliard		Burnished	56 (20mm)	±2mm	±2mm			30.1	25.4		30.1	25.4		0.16	0.46	2820															
		Exfoliated & Trip Br				43	X																								
Raven		Exfoliated	58 (20mm)	±2mm	±2mm	57	V	16.3	12.6	0.08 (AA Grade)	16.3	12.6	0.08 (AA Grade)	0.21	0.62	2900															
		Burnished				52	W																								
Tawny		Exfoliated	60 (20mm)	±2mm	±2mm			21.8	22.2		21.8	22.2		0.11	0.33	2971															
		Honed				R13	62										V														
Tortoise		Bush Hammered & Sgl Br	53 (20mm)			53	W																								
		Standard finish				28	P2																								
HAND PRESSED CEMENT LIMESTONE		All Colours	Sandblasted	40 (16mm)			55	P5																							
		Andorra	Brushed	52 (20mm)	±2mm	±3mm	52	P3	13.9	10.2	0.4 (A Grade)	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)	15.6	9.8	0.5 (A Grade)	1.25	3.27	2617															
		Honed				51	P4																								
	Arbon	Tumbled	38 (15mm)	±2mm	±3mm	53	P4	13.1	10.8	0.7 (A Grade)	13.1	10.8	0.7 (A Grade)	2.32	5.77	2488															
		Honed				41	P3																								
		Light Honed				37	P3																								
	Calcetta	Sandblasted & Brushed	53 (20mm)	±2mm	±3mm	47	W	14.9	10.6	0.13 (A Grade)	14.9	10.6	0.13 (A Grade)	0.70	1.84	2648															
		Brushed				40	P3																								
	Chalford	Distressed	46 (18mm)	±2mm	±3mm	59	P5	12.7	8.1	2.7 (B Grade)	12.7	8.1	2.7 (B Grade)	2.07	5.26	2544															
		Distressed				47 (18mm)	±2mm										±3mm	13.9	10.2	0.4 (A Grade)	1.58	4.09	2590								
	New Chalford	Distressed	47 (18mm)	±2mm	±3mm	55	P5	15.6	9.8	0.5 (A Grade)	15.6	9.8	0.5 (A Grade)	1.25	3.27	2617															
		Sandblasted				57	P5																								
	Colmar	Brushed	50 (20mm)	±2mm	±3mm	35	P3	20.3	12.7	0.4 (A Grade)	20.3	12.7	0.4 (A Grade)	2.84	7.02	2478															
		Tumbled				40 (20mm)	±2mm										±3mm	39	W	9.6	7.2	3.0 (B Grade)	2.51	6.23	2493						
	Dover	Antique	32 (12mm)	±2mm	±3mm	27	P2	14.8	11.8	0.10 (A Grade)	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)	16.6	12.3	0.29 (A Grade)	1.56	4.01	2565																
	Sandblasted				51	P4																									
Garonne	Tumbled	38 (15mm)	±2mm	±3mm	47	P4	12.7	8.1	2.7 (B Grade)	12.7	8.1	2.7 (B Grade)	2.07	5.26	2544																
	Light Honed				47	P4																									
Jericho	Sandblasted & Brushed	53 (20mm)	±2mm	±3mm	40	P3	14.9	10.6	0.15 (A Grade)	14.9	10.6	0.15 (A Grade)	0.94	2.47	2615																
	Brushed				53	P5																									
La Roche	Tumbled	52 (20mm)	±2mm	±3mm	58	X	14.1	13.1	0.10 (A Grade)	14.1	13.1	0.10 (A Grade)	1.11	2.90	2611																
	Sandblasted				52 (20mm)	±2mm										±3mm	38	P2	14.1	13.1	0.15 (A Grade)	0.94	2.47	2615							
Miramar	Brushed	52 (20mm)	±2mm	±3mm	53	P4	14.1	13.1	0.15 (A Grade)	14.1	13.1	0.15 (A Grade)	0.94	2.47	2615																
	Heavily Distressed				28	P2																									
Nettle	Brushed	52 (20mm)	±2mm	±3mm	36	P3	9.8	5.8	0.10 (A Grade)	9.8	5.8	0.10 (A Grade)	4.22	9.64	2290																
	Bush Hammered				46 (20mm)	±2mm										±3mm	41	P3	9.8	5.8	0.10 (A Grade)	1.11	2.90	2611							
Vardo	Antique	46 (20mm)	±2mm	±3mm	38	P3	15.6	9.8	0.5 (A Grade)	15.6	9.8	0.5 (A Grade)	1.25	3.27	2617																
	Heavily Distressed				41	P3																									
Winbourne	Heavily Distressed	56 (20mm)	±2mm	±3mm	41	P3	15.6	9.8	0.5 (A Grade)	15.6	9.8	0.5 (A Grade)	1.25	3.27	2617																
	Antique				39	P3																									
Wyndam	Antique	47 (18mm)	±2mm	±3mm	39	P3	15.6	9.8	0.5 (A Grade)	15.6	9.8	0.5 (A Grade)	1.25	3.27	2617																
	Antique				39	P3																									
PEBBLES																															
PORPHYRY	Porphyry	Natural Split	77 (30mm)	±10mm	±10mm	Mean SRV dry = 73 : Mean SRV wet = 60 UNI EN 14231:2004		25.1 Post freeze-thaw cycles: 22.4 UNI EN 12372:2007	20.4				1.00 UNI EN 13755:2008			Average apparent density: 2555 UNI EN 1936:2007															
		Flamed				Mean SRV dry = 85 : Mean SRV wet = 65 UNI EN 14231:2004																									
	Torino	Brushed anti-slip	47 (20mm)	±2mm	±2mm	51	P4	6.4	4.6	1.9% (B Grade)	47	20	1.9%	8.00	2310																
Sawn	26	Y																													
SANDSTONE	Beauford	Cathedral	75 (30mm)	±2mm	±2mm																										
	Bolzano	Sawn	71 (30mm)	N/A	±2mm																										
		Brushed				68	P5	7.9	3.6	88.6 (D Grade)	0.1 (A Grade)	6.30	13.98	2219																	
	Sawn	54	P4																												
	Brannon	Sawn	67 (30mm)	±2mm	±3mm	66	P5	13.3	8.3	1.0 (B Grade)	13.3	8.3	1.0 (B Grade)	0.1 (A Grade)	4.82	11.13	2309														
		Lightly Honed				52	P4																								
	Bullen	Sawn	70 (30mm)	±2mm	±3mm	66	P5	6.3	3.3	4.6 (B Grade)	6.3	3.3	4.6 (B Grade)	4.42	10.10	2288															
		Lightly Honed				52	P4																								
	Marcocool	Sawn	69 (30mm)	±2mm	±2mm	70	P5	6.5	4.9	34.4 (D Grade)	6.5	4.9	34.4 (D Grade)	0.2 (A Grade)	6.54	14.08	2153														
		Sawn				53	P4																								
	Osprey	Sawn	65 (30mm)	±2mm	±2mm	57	P5	8.2	5.1	14.0 (D Grade)	8.2	5.1	14.0 (D Grade)	0.1 (A Grade)	3.22	7.91	2458														
		Distressed				45 (18mm)	±2mm											±2mm	54	W	46.1	31.6	0.29	0.79	2730						
	SPLIT STONE	Abyss	Natural Split	33 (12mm)	±2mm	±3mm	54	W	46.1	31.6																					
		Atlantic	Natural Split	33 (12mm)	±2mm	±3mm	54	W	46.1	31.6																					
		Cobb & Co	Natural Split	54 (20mm)	±3mm	±3mm	67	V	7.0	10.8	0.03 (AA Grade)	7.0	10.8	0.03 (AA Grade)	0.09	0.25	2695														
Endicott	Natural Split	68 (25mm)	±3mm	±3mm	Mean SRV dry = 87 : Mean SRV wet = 64 EN 14231		18.98 N/mm ² EN 12372						0.50 UNI EN 13755			2700 Test Method: EN 1936															
	Natural Split				53	P4											46.1	31.6	0.31	0.85	2725										
	Natural Split				68 (25mm)	±3mm											±3mm	57	V	28.1	19.6	0.90	2.4	2691							
	Natural Split				51 (20mm)	±3mm											±3mm	45	W	12.7	9.9	0.76 (A Grade)	1.16	2.95	2560						
TRAVERTINE	Chambon	Sandblasted	46 (18mm)	±2mm	±3mm	54	P4	17.4	14.8	0.09 (A Grade)	17.4	14.8	0.09 (A Grade)	1.40	3.55	2544															
	Ravello	Tumbled	30 (12mm)	±2mm	±3mm	41	X	9.5	10.3	0.11 (AA Grade)	9.5	10.3	0.11 (AA Grade)	1.43	3.48	2439															
	Scala	Sawn	47 (20mm)	±2mm	±3mm	58	V	12.0	10.6	0.12 (A Grade)	12.0	10.6	0.12 (A Grade)																		