

Permeable Paver Specifications

ITEM	UNIT	HydroSTON 80	HydroSTON 50 BLOCK	HydroSTON 50 FLAG	HydroSTON 50 FLAG XL
Application		Vehicle & pedestrian	Pedestrian only		
Main material	mm	+1 -3 quartz aggregate			
Nominal size	mm	210 x 140 x 80	200 x 100 x 50	300 x 300 x 50	400 x 400 x 50
Work size	mm	206 x 136 x 80	200 x 100 x 50	300 x 300 x 50	400 x 400 x 50
Work size (face) area	m ²	0.0280	0.02	0.09	0.16
Gross plan area (nom.)	m ²	0.0294	0.02	0.09	0.16
Bevels	mm	4	4	5 @ 45°	4 @ 45°
Spacers	mm	0	0	0	2
Dry weight per unit (av.)	kg	4.4	1.9	9	15
Units (work size) per m ²	no.	35.71	50	11.11	6.25
Units (nom.) per m ²	no.	34.01	50	11.11	6.25
Units per pallet	no.	405	864	192	108
Units per row	no.	45	96	16	12
Rows per pallet	no.	9	9	12	9
Pallet dry weight inc. base	tonne	1.8	1.7	1.75	1.7
Coverage per pallet	m ²	11.34	17.28	17.28	17.28

Permeability of no-fines concrete RTA T377	m/s	0.0017	0.0014		
Slip resistance AS4586 Appendix A	rating	Surface Class P5 (very low contribution to risk of slipping when wet)			
Breaking load mean [SD] AS4456.5	kN	14.5 [2.0]	5.7 [0.3]	7.5 [0.5]	6.2 [0.6]
Modulus of rupture mean [SD]	MPa	3.7 [0.5]	5.2 [0.3]	3.7 [0.3]	3.3 [0.3]
Characteristic strength	kN	9.0	3.9	4.9	4.0
Characteristic MoR	MPa	2.3	3.5	2.5	2.1
Compressive strength [SD] AS4456.4	MPa	12 [1.5]	16 [0.7]		
Potential to effloresce AS4456.6		Slight			