

## 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       | m²    | 0.0280                 | 0.02               | 0.09              | 0.16                 |
| Gross plan area (nom.)      | m²    | 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    | 4.6                    | 2.1                | 9                 | 15.9                 |
| Units (work size) per m²    | no.   | 35.71                  | 50                 | 11.11             | 6.25                 |
| Units (nom.) per m²         | 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 | 1.9                    | 1.8                | 1.75              | 1.75                 |
| Coverage per pallet         | m²    | 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 - Medium                                                       |           |           |           |