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| **VEGETATION SYSTEM MEDIA SPECIFICATION** | |
| **MULCH** |  |
| Washed aggregate 10-20mm |  |
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| **BIOFILTRATION MEDIA SPECIFICATION – VEGETATED SYSTEM** | **TRANSITION LAYER SPECIFICATIONS**  Course washed river sand, recycled crushed glass or equivalent.  90% particles retained above 0.25mm  Ksat >300 mm/Hr A STM F1815-97 @30cm tension  **NOT NEEDED WHERE FILTER MEDIA MEETS FAWB DRAINAGE LAYER BRIDGING CRITERIA** |
| Organic Filter Media in accordance with Centre for Organic Research & Education Performance Based Standards PBS1510 /SpecificationCS1510 |
| **DO NOT ADD NUTRIENTS** |
| SATURATED HYDRAULIC CONDUCTIVITY (Ksat) –  <300 mm/Hr (ASTM F1815-97 @30cm tension) |
| Recycled content >50% | **DRAINAGE LAYER SPECIFICATIONS**  Clean fine aggregate 2-7mm washed.  Bridging criteria – D15 (drainage layer) < 5 x D85 (filter media)  Where D15 (drainage layer) – 15th percentile particle size in the drainage layer material (i.e. 15% of the aggregate is smaller than D15mm), and D85 (filter media) – 85th percentile particle size in the filter media. |
| Clay & Silt - Emerson Class No 7 |
| Recycled Organic Content >40% |
| Total Carbon - 1 - 5% w/w |
| pH (1:5 in H2O) 6.5 -8.5 |
| Electrical Conductivity <1.5 dS/m |
| Ca:Mg ratio >2:1 (may vary with plant species) |
| K:Mg ratio <1.5:1 (may vary with plant species) |
| Total Nitrogen <3000 mg/kg |
| Phosphorus Buffer Index <280 mg/kg | **SPECIFICATION WHERE TRANSITION LAYER IS OMITTED** |
| Phosphorous (Colwell ) >64 mg/kg | D15 (drainage layer) ≤ 5 x D85 (filter media)  D15 (drainage layer) = 5 to 20 x D15 (filter media)  D50 (drainage layer < 25 x D50 (filter media)  D60 (drainage layer) < 20 x D10 (drainage layer)  (Drainage and transition layer specifications are based on FAWB Guidelines) |
| Water Retention Capacity >25% |
| Moisture content (air dried) <50% |
| Effective Cation Exchange Capacity >5 Cmol/Kg |
| **POLLUTANT REMOVAL PERFORMANCE** – consistent with CS1510/PBS1510 |

Media available from Starwater ([info@starwater.com.au](mailto:info@starwater.com.au) /(02) 94602722 - LGE012 or approved equivalent.