



# Technical Data Sheet Filter Sands

Updated December 2019

| CHEMICAL ANALYSIS |       |
|-------------------|-------|
| Silica            | 66.86 |
| Aluminium Oxide   | 15.77 |
| Ferrous Oxide     | 4.66  |
| Magnesium Oxide   | 0.11  |
| Calcium Oxide     | 4.21  |
| Sodium Oxide      | 4.06  |
| Potassium Oxide   | 1.20  |
| Titanium Di-Oxide | 0.51  |
| Phosphorus        | 0.09  |
| Loss in Ignition  | 0.68  |

*The figures quoted in this data sheet are, to the best of our knowledge, representative of the product. Natural products do vary, so these figures are approximations for guidance only. As conditions of use are beyond our control, no liability is accepted for any loss or damage sustained arising from the use of this information or any products. Because of ongoing developments, the product parameters may be changed without notice.*

| PERCENTAGE PASSING |                      | 30/50 Filter Sand | 14/25 Filter Sand | 7/14 Filter Sand |
|--------------------|----------------------|-------------------|-------------------|------------------|
| NOMINAL SIZE       |                      | 0.3 to 0.6mm      | 0.6 to 1.2mm      | 1.2 to 2.2mm     |
| MICRON             | MESH                 |                   |                   |                  |
| 2.820 mm           | 7                    |                   |                   | 100%             |
| 1.410 mm           | 14                   |                   | 100%              |                  |
| 1.180 mm           | 16                   |                   |                   | 5%               |
| 0.600 mm           | 30                   | 100%              | 5%                |                  |
| 0.150 mm           | 100                  | 5%                |                   |                  |
| LBD                | (kg/m <sup>3</sup> ) | 1360kg +/-25kg    | 1360kg +/-25kg    | 1360kg +/-25kg   |

| TEST METHODS   |
|--|
| Chemicals by XRF   |
| Moisture by drying 110 C for 1.5 hrs.                              |
| Organic Content - Weight of matter soluble in carbon tetrachloride |
| Specific Gravity by water immersion                                |
| PSD by dry sieve on BS410 sieves                                   |
| Loose Bulk Density by DIN 53194                                    |
| Compacted Density as per PI 201-77                                 |

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