

TECHNICAL GUIDANCE NOTE

TO: GRO MEMBERS

FROM: GRO TECHNICAL

SUBJECT: SUBSTRATE PROPERTIES IN RELATION TO WATER & AIR - TECHNICAL REF NUMBER: GSUB11_0322

CC: MARK HARRIS, JEFF SORRIL

Dear GRO Member:

On the 11.3.22 after consulting with GRO Board Member Dr Tom Young it has been agreed at GRO Board the following properties of the substrate are to be amended as per below the highlighted text below:

3 | DESIGN CONSIDERATIONS & PRACTICAL IMPLICATIONS

Table 3. GRO substrate recommendations (values may be above or below these recommendations in certain circumstances)

Water & Air	Extensive	Intensive
Field Capacity (% v/v)	≥ 20 - ≥ 65	≥ 30 - ≥ 65
Total Porosity (%)	> 22.5	> 22.5
Porosity at Field Capacity (%)	≥ 10	≥ 10
Saturated Hydraulic Conductivity (mm/min ⁻¹)	0.6-70	0.3-50

Field Capacity to be % by volume, Extensive to be 20-65 , Intensive to be 30-65

Please refer to the GRO Code of Practice for further information.

Kind Regards,

Keith Hills

Technical Committee Chair

