PERCOLATION RATE (SATURATED HYDRAULIC CONDUCTIVITY)

The rate at which soils, sands and root zones drain (normally expressed in mm/hour).

This can be affected by the depth of the root zone. Samples are usually equilibrated overnight to 30cms tension - this being the standard depth of a USGA (United States Golf Association) green, from the surface to the gravel drains.

Percolation Rates for different sand types under 30cm Tension as tested by European Turf Laboratories.

Sand type mm/hr

Lough Neagh sand 232.0

Zone 3 sand 463.5

HS Masters sand 1000+