

MO4 Draft Permeability Guide -- 5/13/2009

Textures	Ksat (um/sec)	Permeability class	Permeability (in/hr)
s, cos	141-200-705	very rapid	20-100
lcos, ls, fs, lfs, lvfs,	42-91-141	rapid	6-20
cosl, sl, fsl, vfsl	14-28-42	moderately rapid	2-6
<35% clay and the following textures: cl, sicl, l, scl, sil, si	4-9-14	moderate	0.6-2
>35% clay and the following textures: cl, sicl, sc	1.4-2.7-4	moderately slow	0.2-0.6
<50% clay and the following textures: c, sic, sc	0.42-0.91-1.4	slow	0.06-0.2
>50% clay and the following textures: c, sic, sc	0.01-0.21-0.42	very slow	0.0015-0.06
Impermeable layers	0.00-0.01	Impermeable	0.00-0.0015

Horizons with an SAR between 13 and 25 reduce Ksat (slower) by 1 class; for soils with an SAR >25 reduce by 2 classes.

Horizons with a moderate or stronger platy structure, reduce Ksat by 1 class.