

Parameter	Value	Unit
Thermal conductivity of saturated sand	2.8	$\text{W m}^{-1} \text{K}^{-1}$
Thermal conductivity of saturated clay	1.4	$\text{W m}^{-1} \text{K}^{-1}$
Thermal conductivity of dry clay	0.5	$\text{W m}^{-1} \text{K}^{-1}$
Specific heat capacity of water	4186	$\text{J kg}^{-1} \text{K}^{-1}$
Volumetric heat capacity of sat. sand	2.8×10^6	$\text{J m}^{-3} \text{K}^{-1}$
Volumetric heat capacity of sat. clay	2.5×10^6	$\text{J m}^{-3} \text{K}^{-1}$
Volumetric heat capacity of dry clay	1.6×10^6	$\text{J m}^{-3} \text{K}^{-1}$