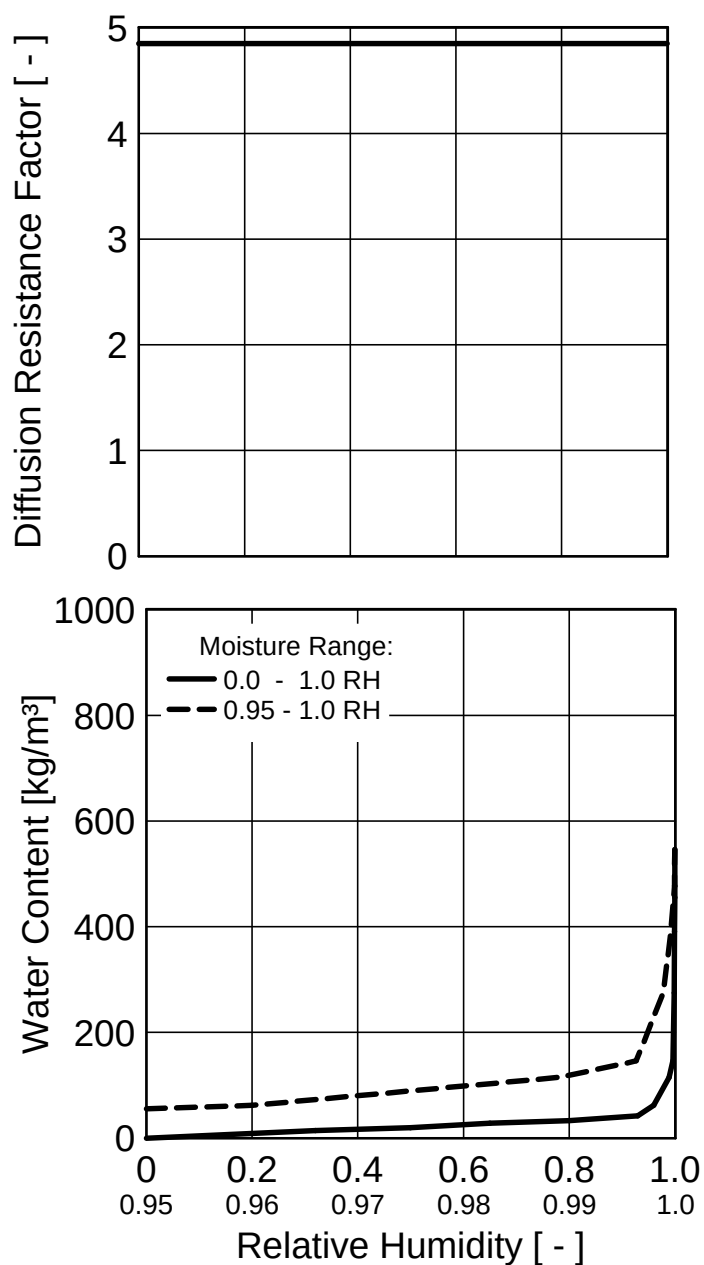
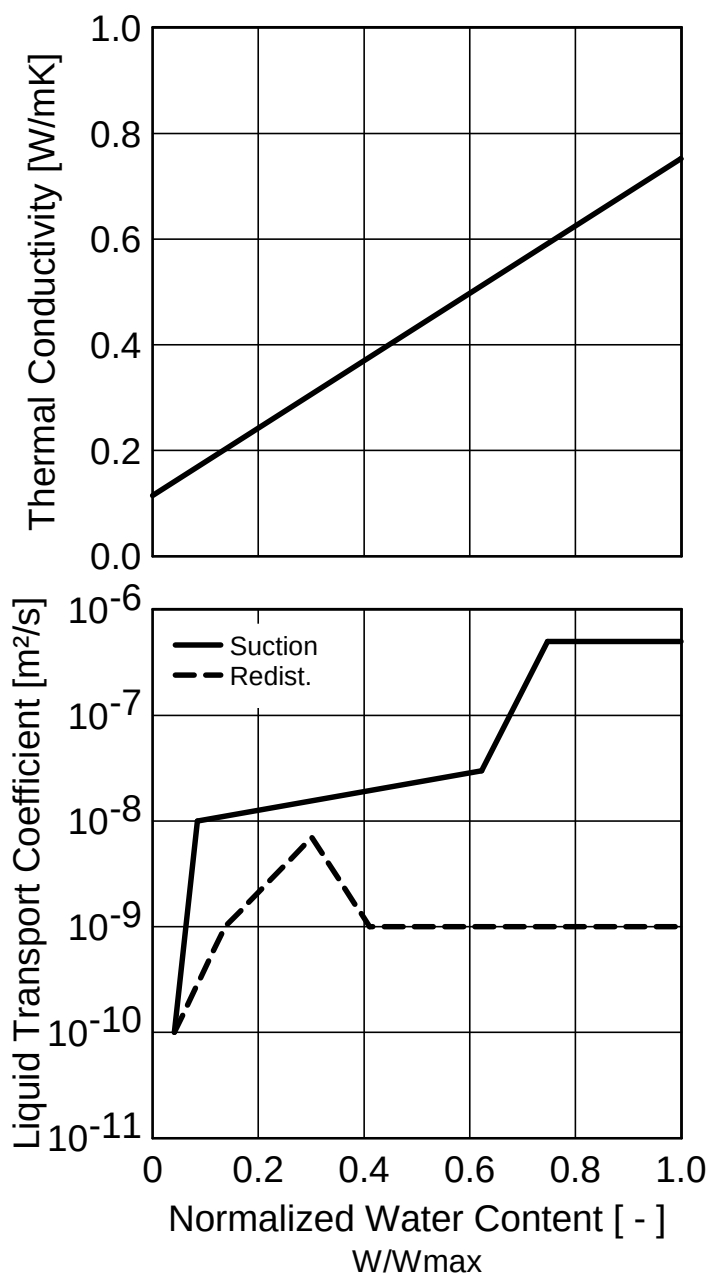


Material : LHM-wall

Checking Input Data

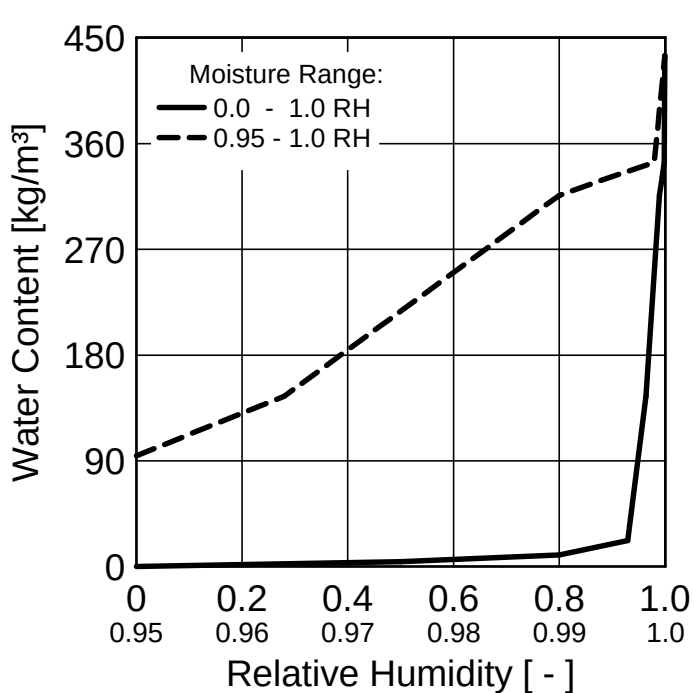
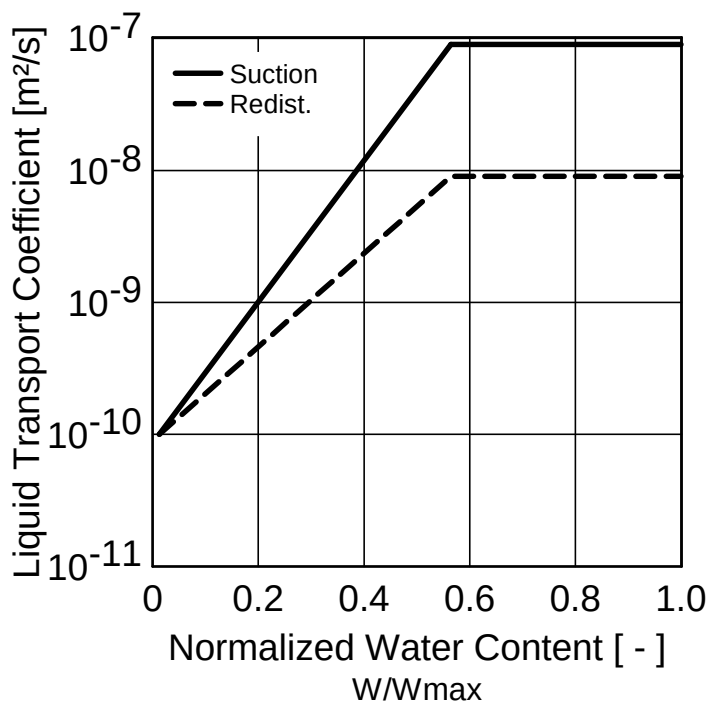
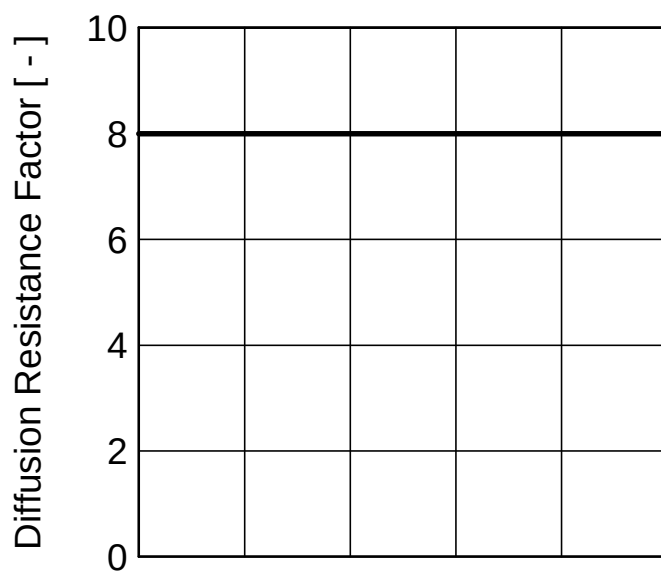
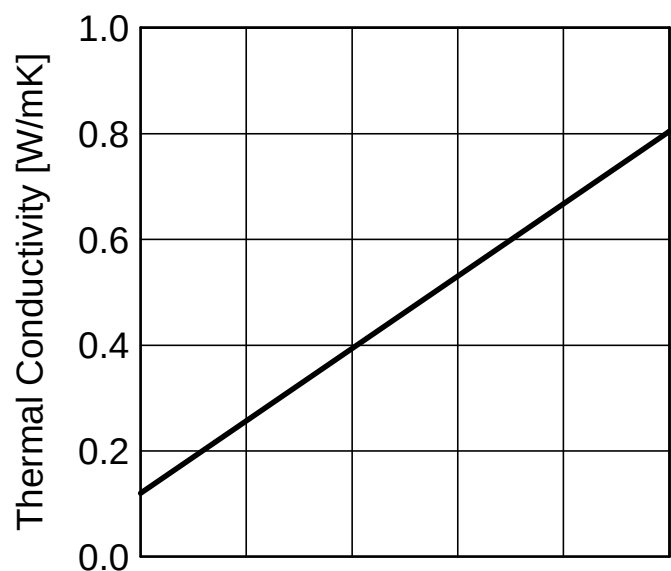
Property	Unit	Value
Bulk density	[kg/m ³]	440,0
Porosity	[m ³ /m ³]	0,73
Specific Heat Capacity, Dry	[J/kgK]	1560,0
Thermal Conductivity, Dry	[W/mK]	0,115
Water Vapour Diffusion Resistance Factor	[-]	4,85
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	3,34



Material : Cellular concrete (AAC)

Checking Input Data

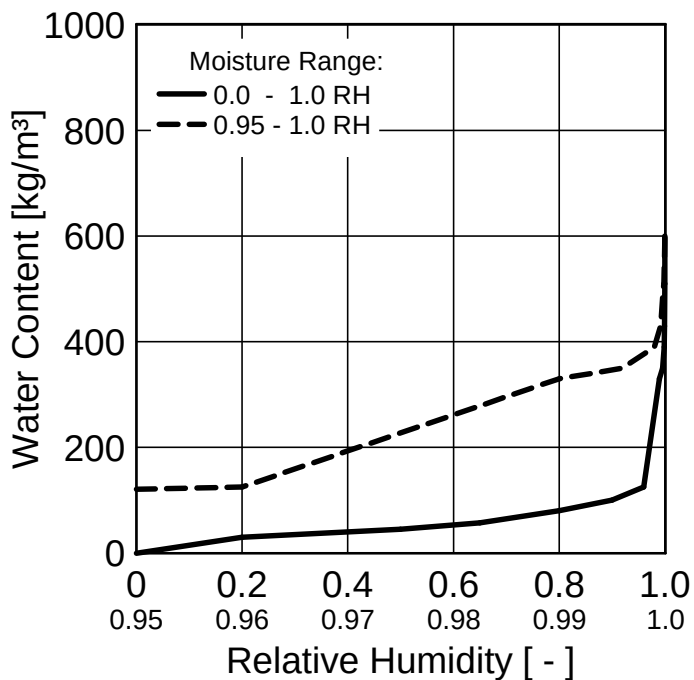
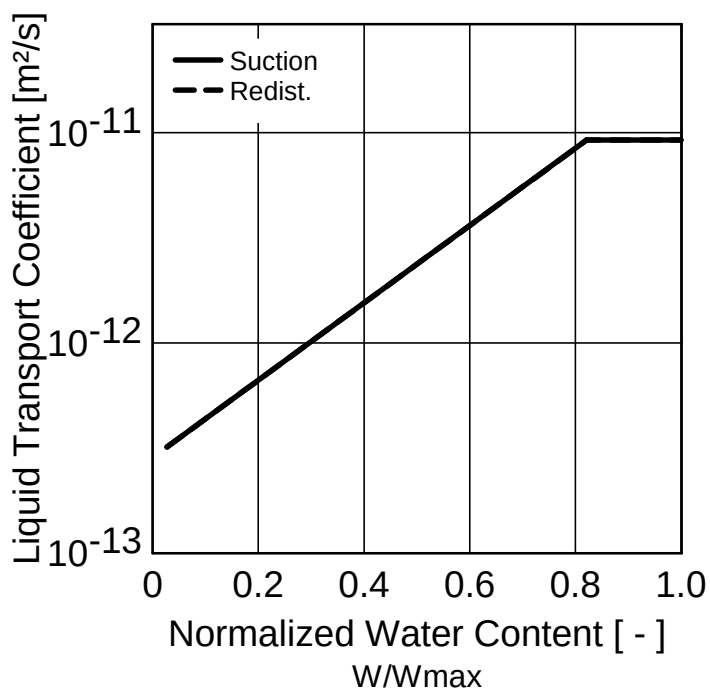
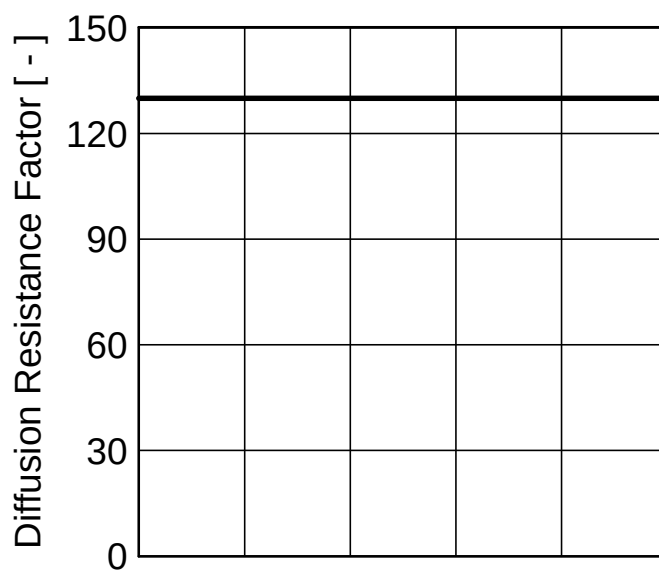
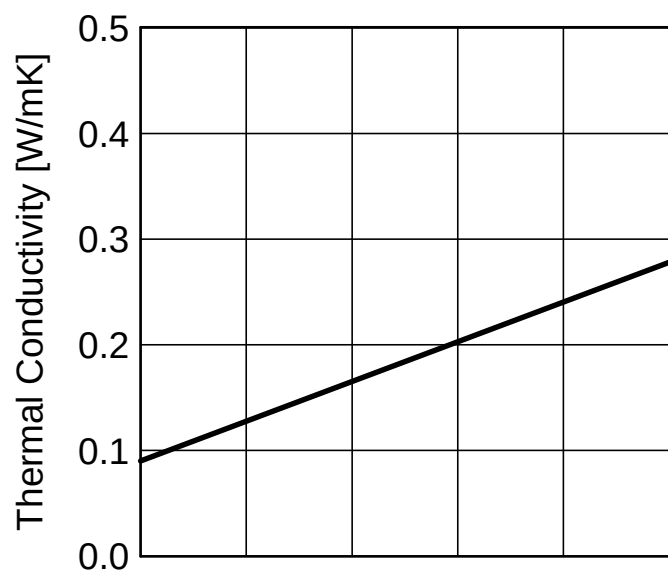
Property	Unit	Value
Bulk density	[kg/m ³]	500,0
Porosity	[m ³ /m ³]	0,77
Specific Heat Capacity, Dry	[J/kgK]	850,0
Thermal Conductivity, Dry	[W/mK]	0,12
Water Vapour Diffusion Resistance Factor	[-]	8,0
Reference Water Content	[kg/m ³]	9,8
Free Water Saturation	[kg/m ³]	435,0
Water Absorption Coefficient	[kg/m ² s ^{0.5}]	0,067
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	3,7



Material : Wood (spruce/radial)

Checking Input Data

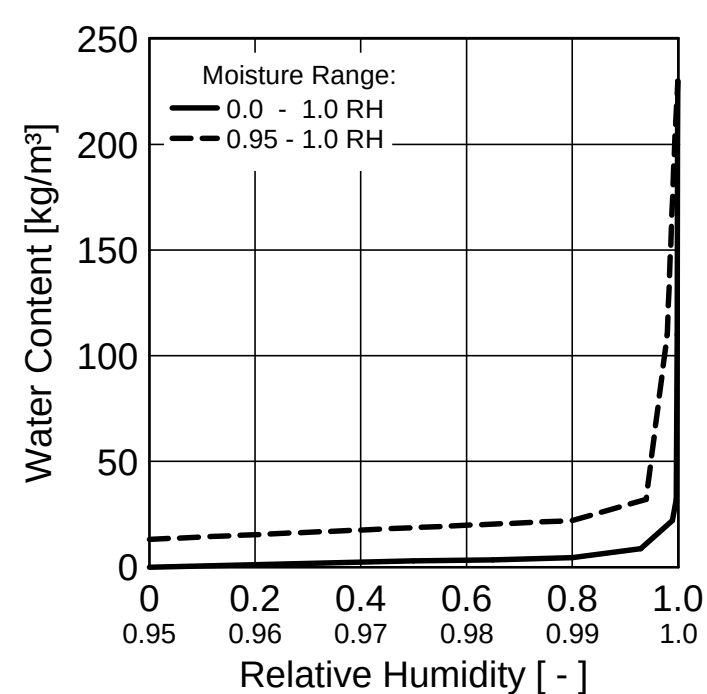
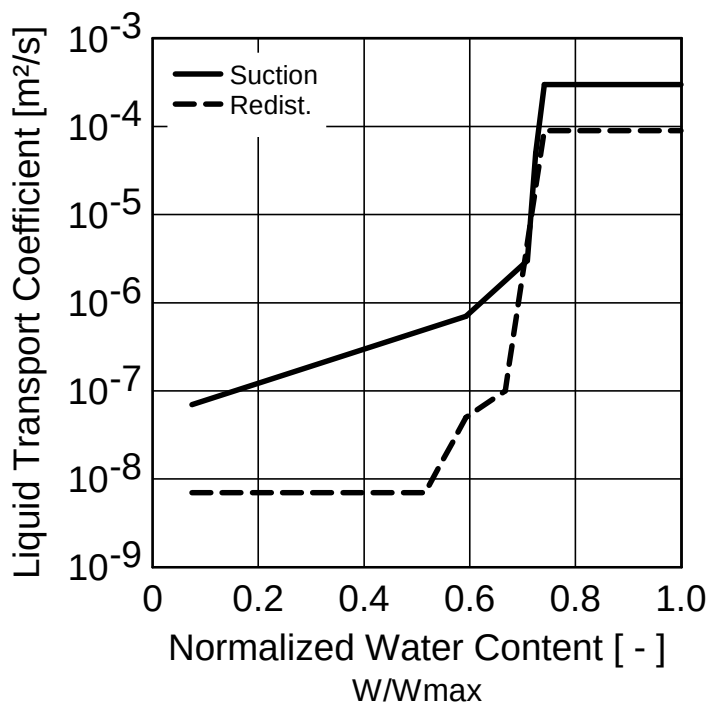
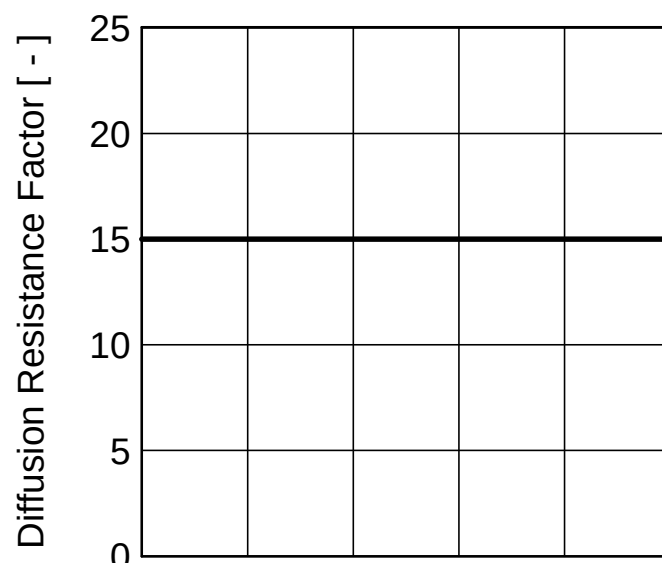
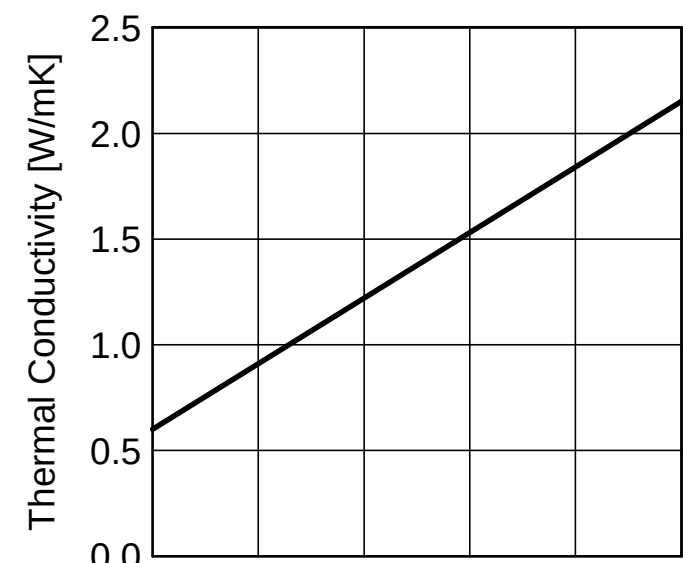
Property	Unit	Value
Bulk density	[kg/m ³]	455,0
Porosity	[m ³ /m ³]	0,73
Specific Heat Capacity, Dry	[J/kgK]	1500,0
Thermal Conductivity, Dry	[W/mK]	0,09
Water Vapour Diffusion Resistance Factor	[-]	130,0
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	1,3



Material : Clay bricks

Checking Input Data

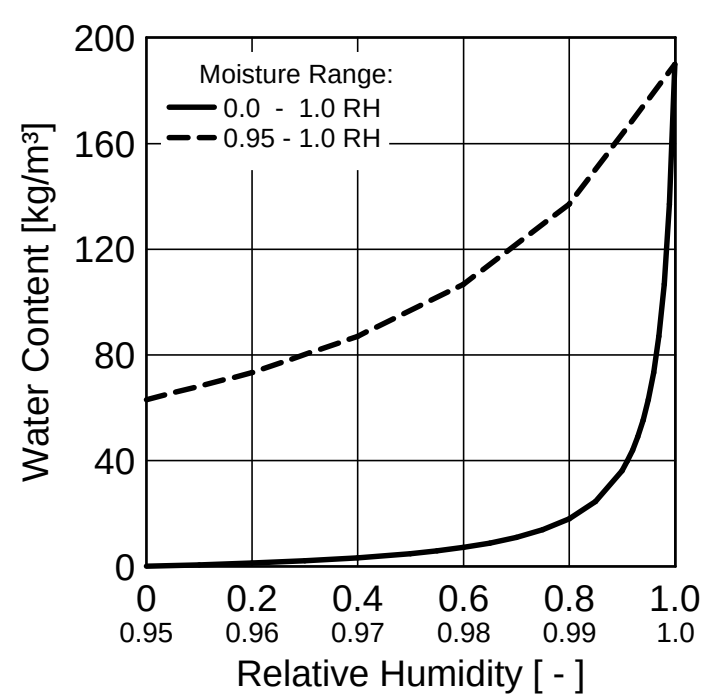
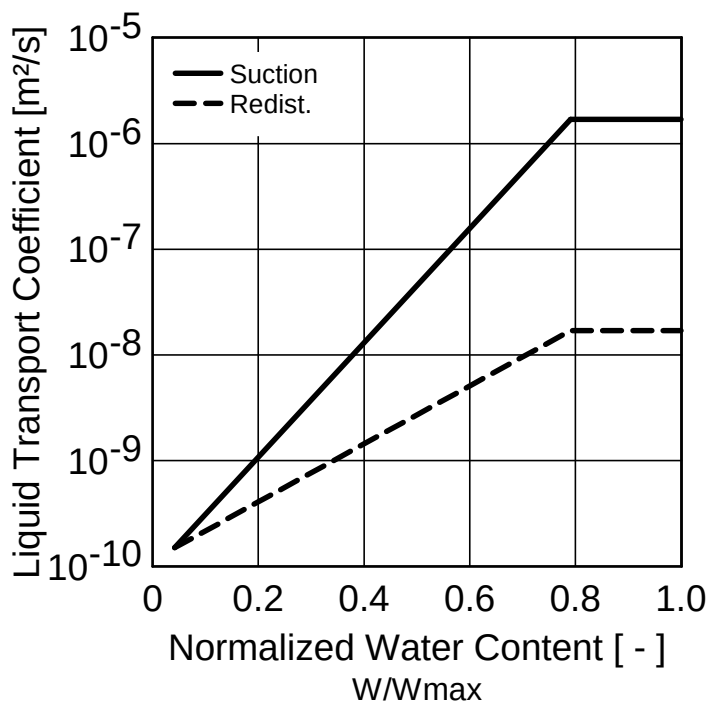
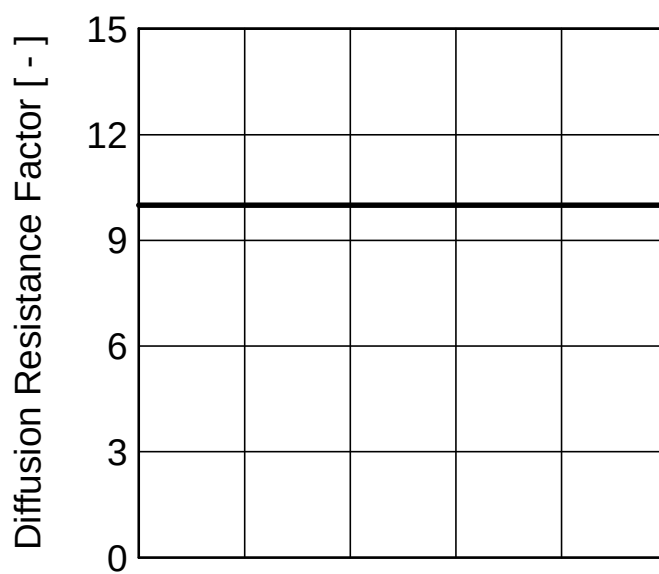
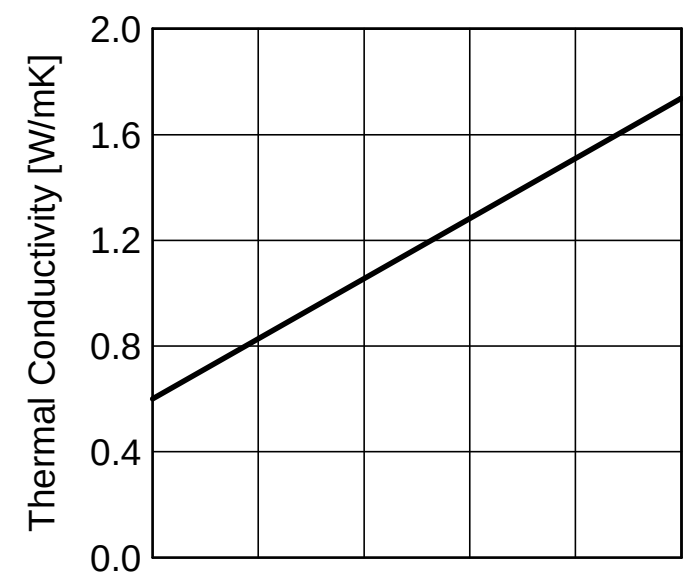
Property	Unit	Value
Bulk density	[kg/m ³]	1800,0
Porosity	[m ³ /m ³]	0,31
Specific Heat Capacity, Dry	[J/kgK]	850,0
Thermal Conductivity, Dry	[W/mK]	0,6
Water Vapour Diffusion Resistance Factor	[-]	15,0
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	15,0



Material : Breeze blocks

Checking Input Data

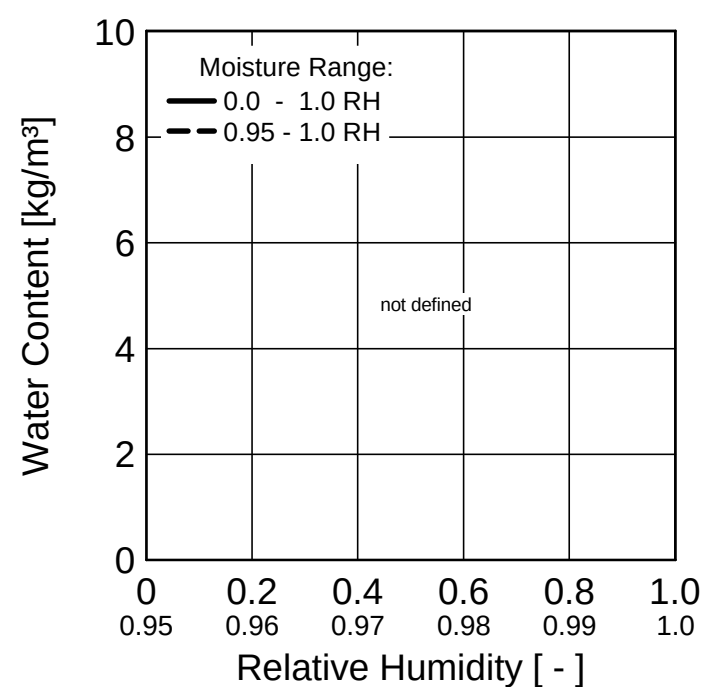
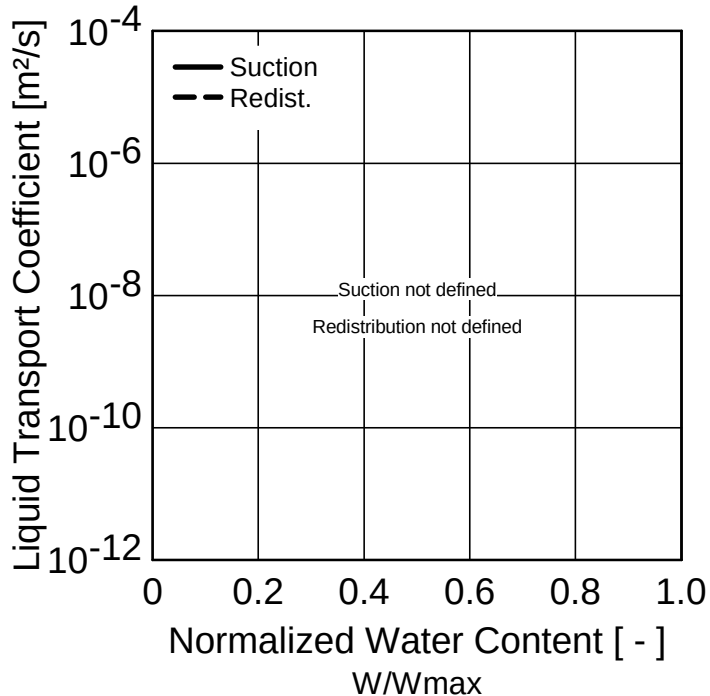
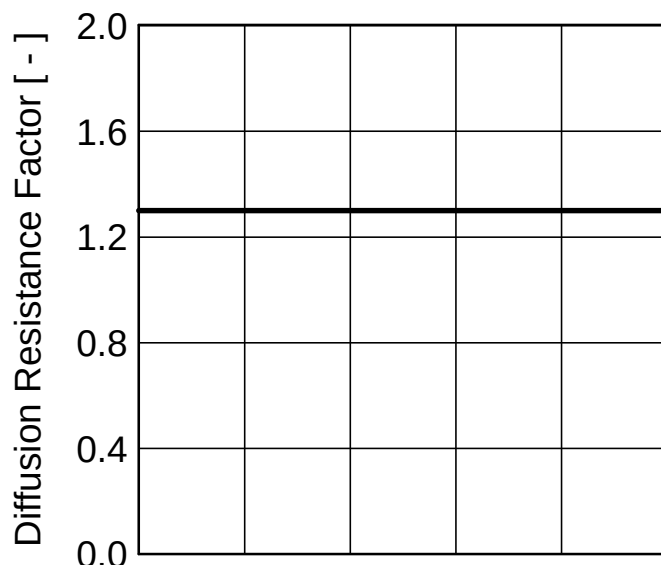
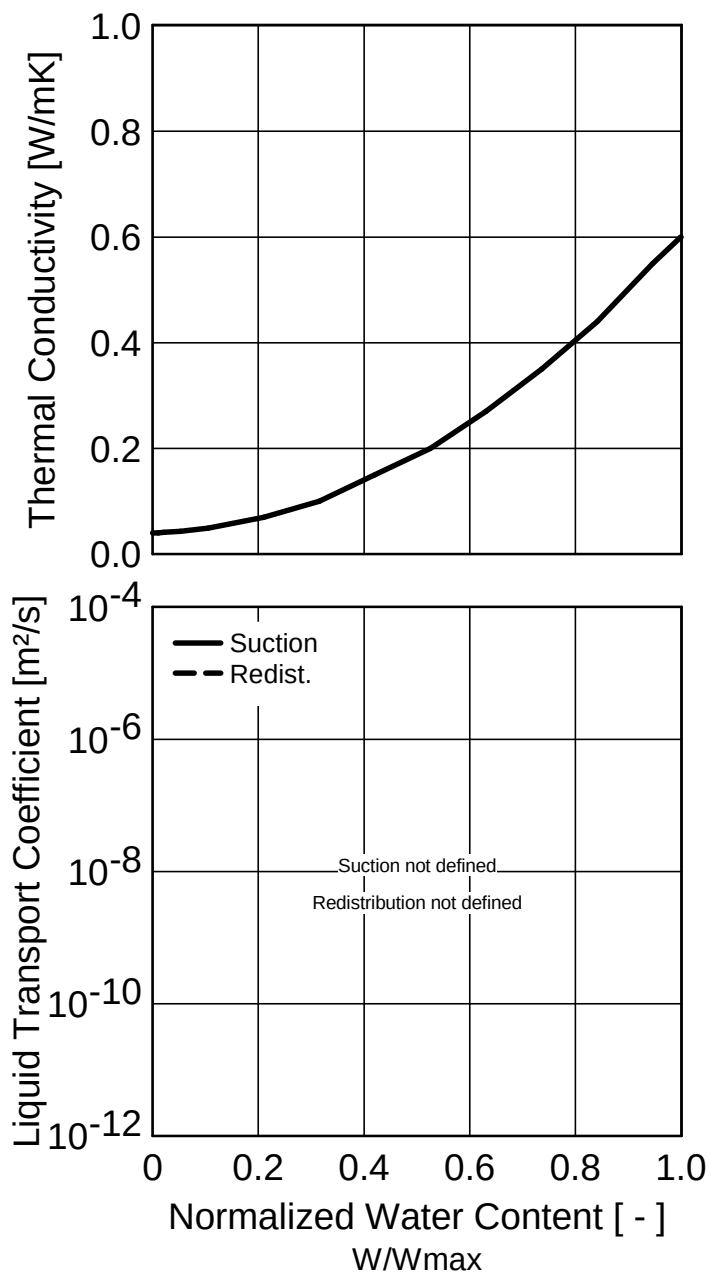
Property	Unit	Value
Bulk density	[kg/m ³]	1900,0
Porosity	[m ³ /m ³]	0,24
Specific Heat Capacity, Dry	[J/kgK]	850,0
Thermal Conductivity, Dry	[W/mK]	0,6
Water Vapour Diffusion Resistance Factor	[-]	10,0
Reference Water Content	[kg/m ³]	18,0
Free Water Saturation	[kg/m ³]	190,0
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	15,0



Material : Mineral wool

Checking Input Data

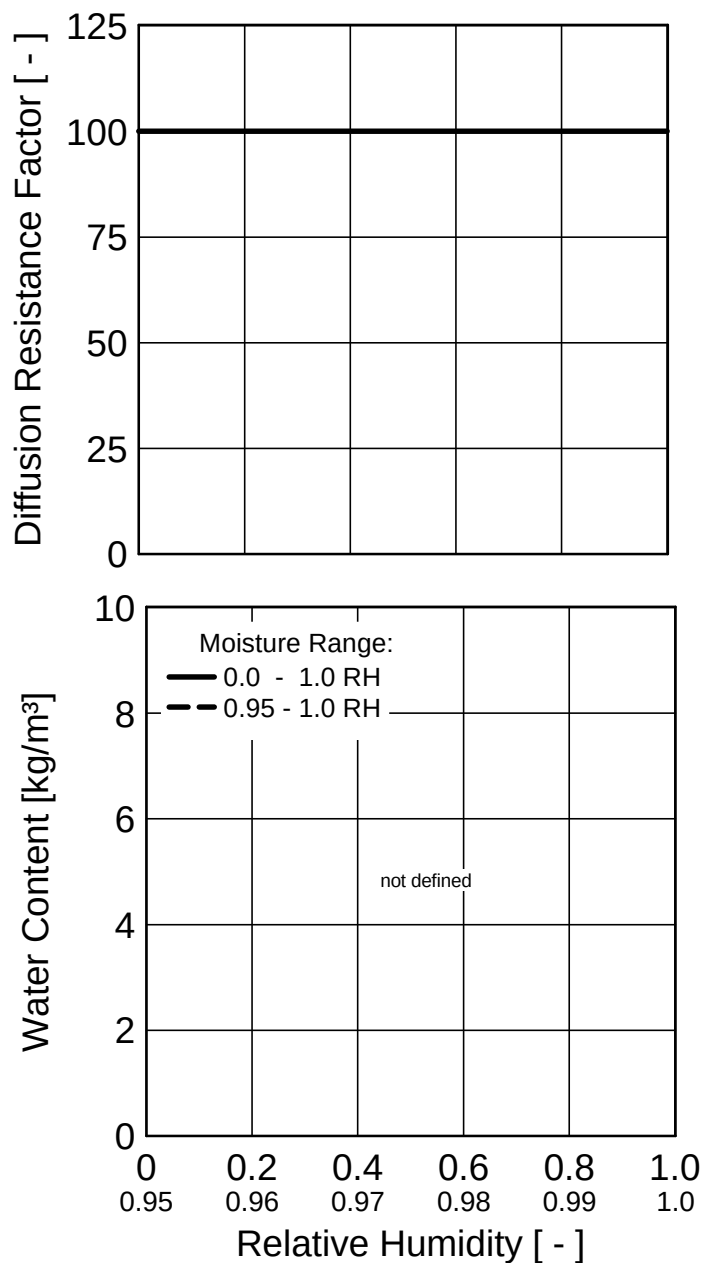
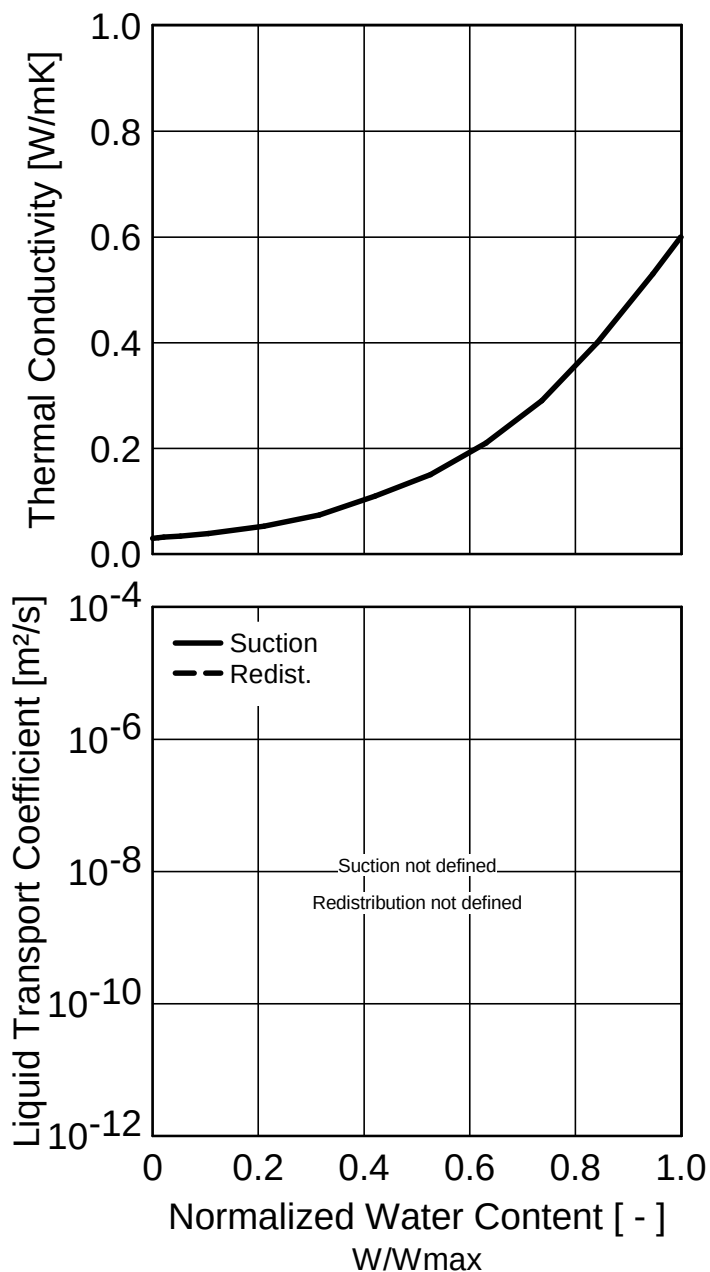
Property	Unit	Value
Bulk density	[kg/m ³]	60,0
Porosity	[m ³ /m ³]	0,95
Specific Heat Capacity, Dry	[J/kgK]	850,0
Thermal Conductivity, Dry	[W/mK]	0,04
Water Vapour Diffusion Resistance Factor	[-]	1,3



Material : XPS

Checking Input Data

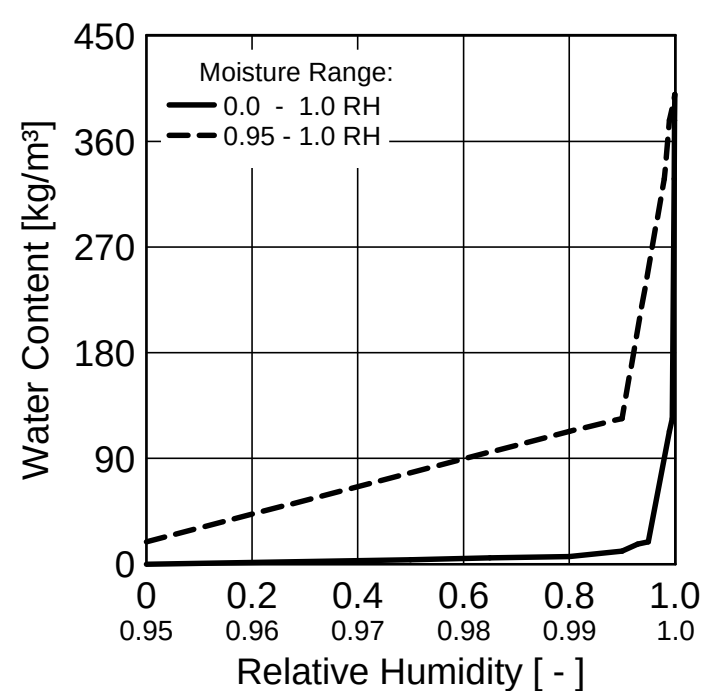
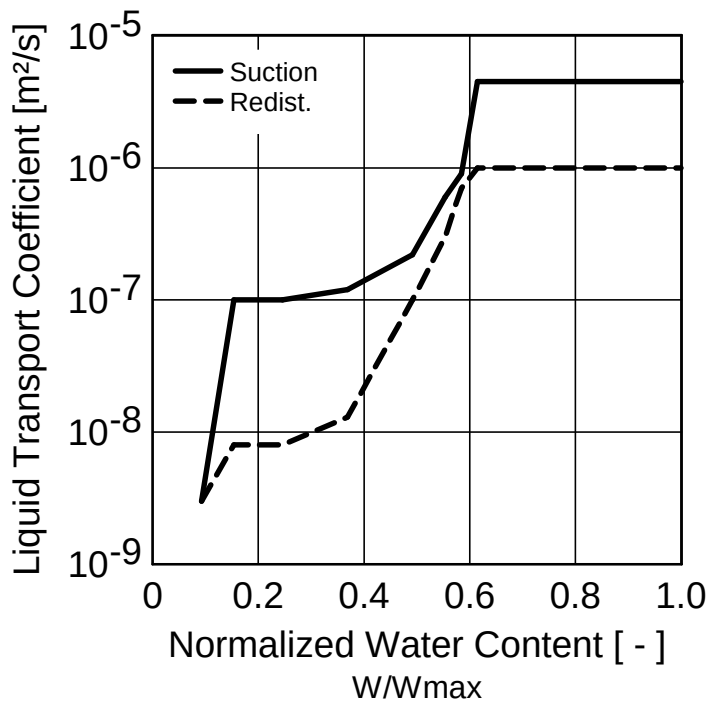
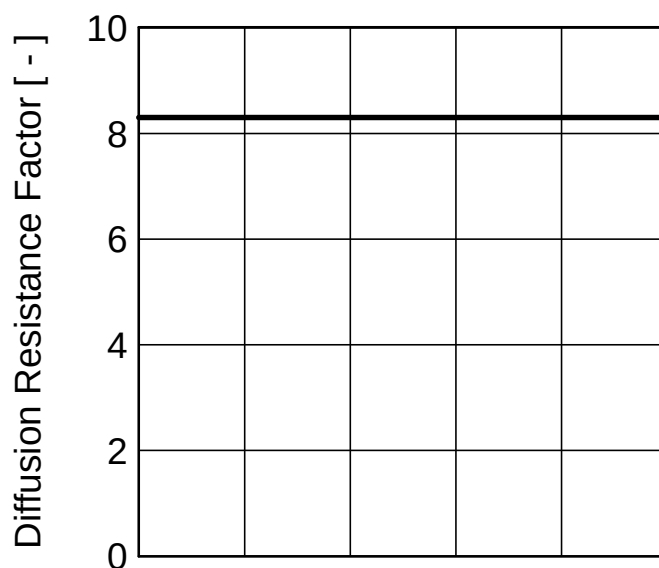
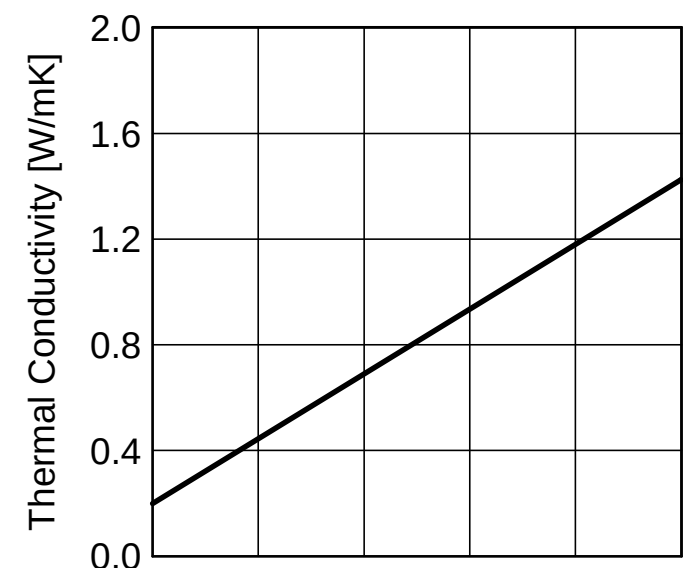
Property	Unit	Value
Bulk density	[kg/m ³]	40,0
Porosity	[m ³ /m ³]	0,95
Specific Heat Capacity, Dry	[J/kgK]	1500,0
Thermal Conductivity, Dry	[W/mK]	0,03
Water Vapour Diffusion Resistance Factor	[-]	100,0



Material : Gypsum board

Checking Input Data

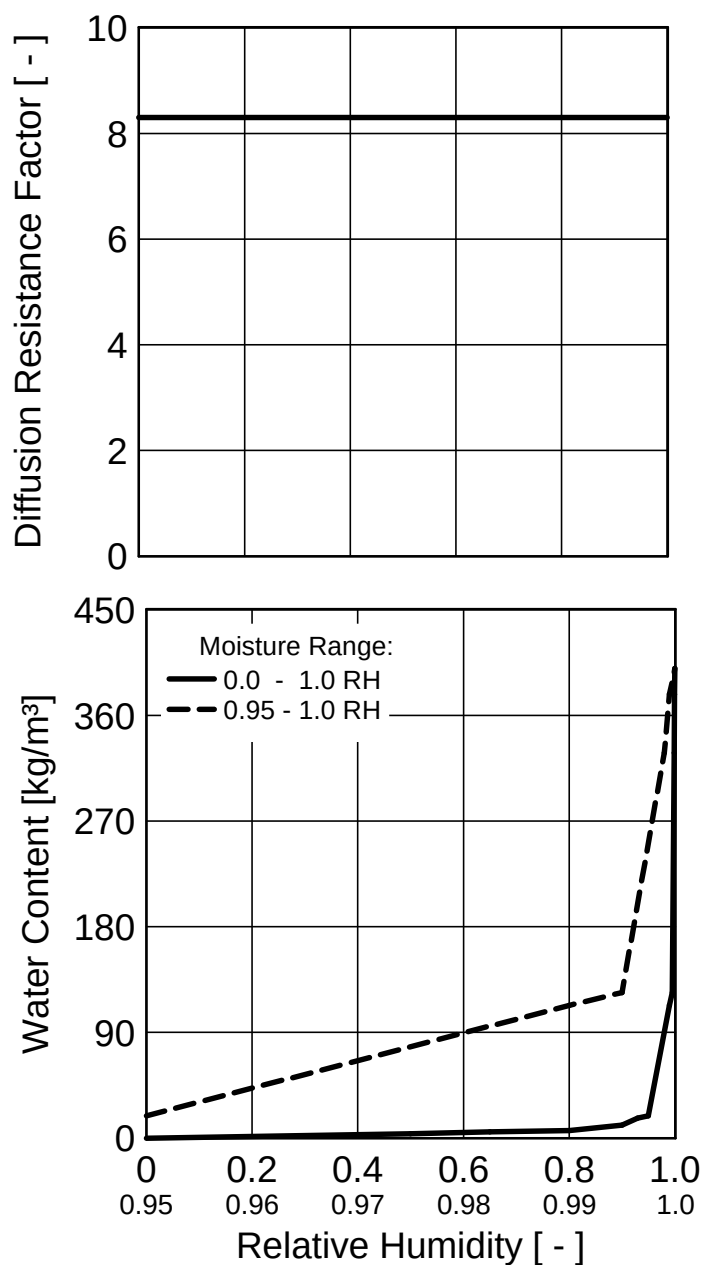
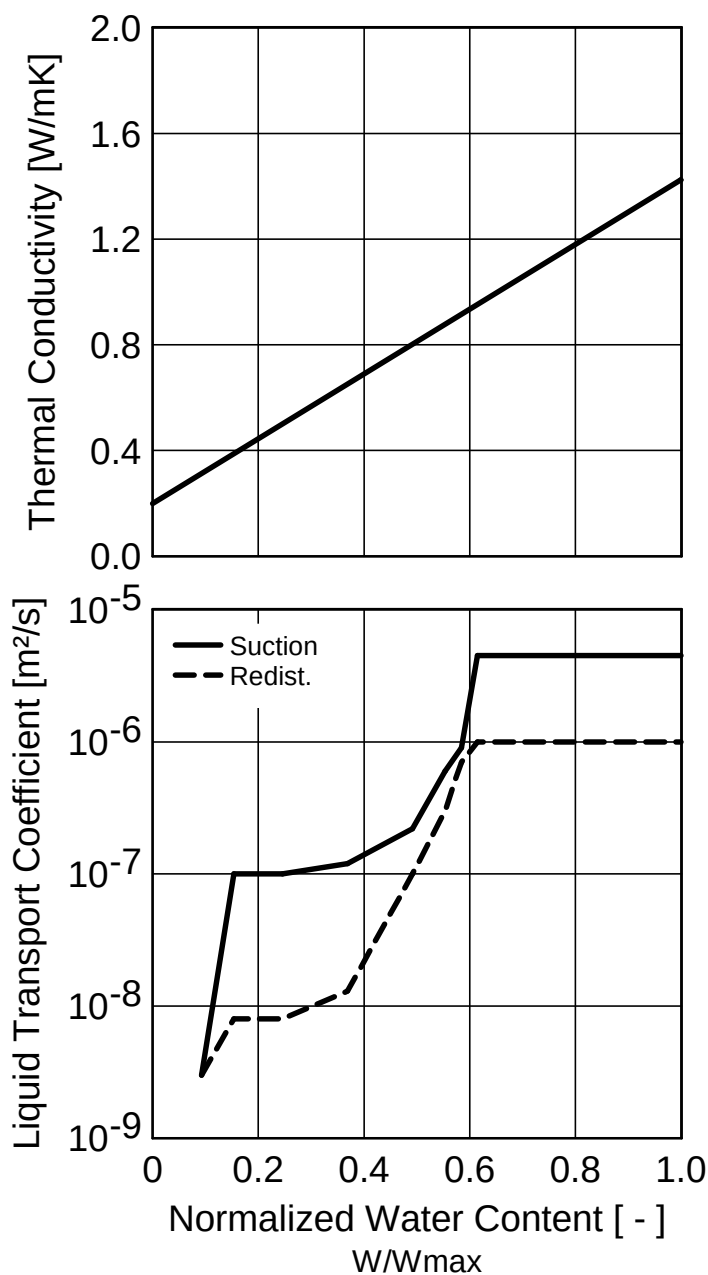
Property	Unit	Value
Bulk density	[kg/m ³]	850,0
Porosity	[m ³ /m ³]	0,65
Specific Heat Capacity, Dry	[J/kgK]	850,0
Thermal Conductivity, Dry	[W/mK]	0,2
Water Vapour Diffusion Resistance Factor	[-]	8,3
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	8,0



Material : Gypsum plaster

Checking Input Data

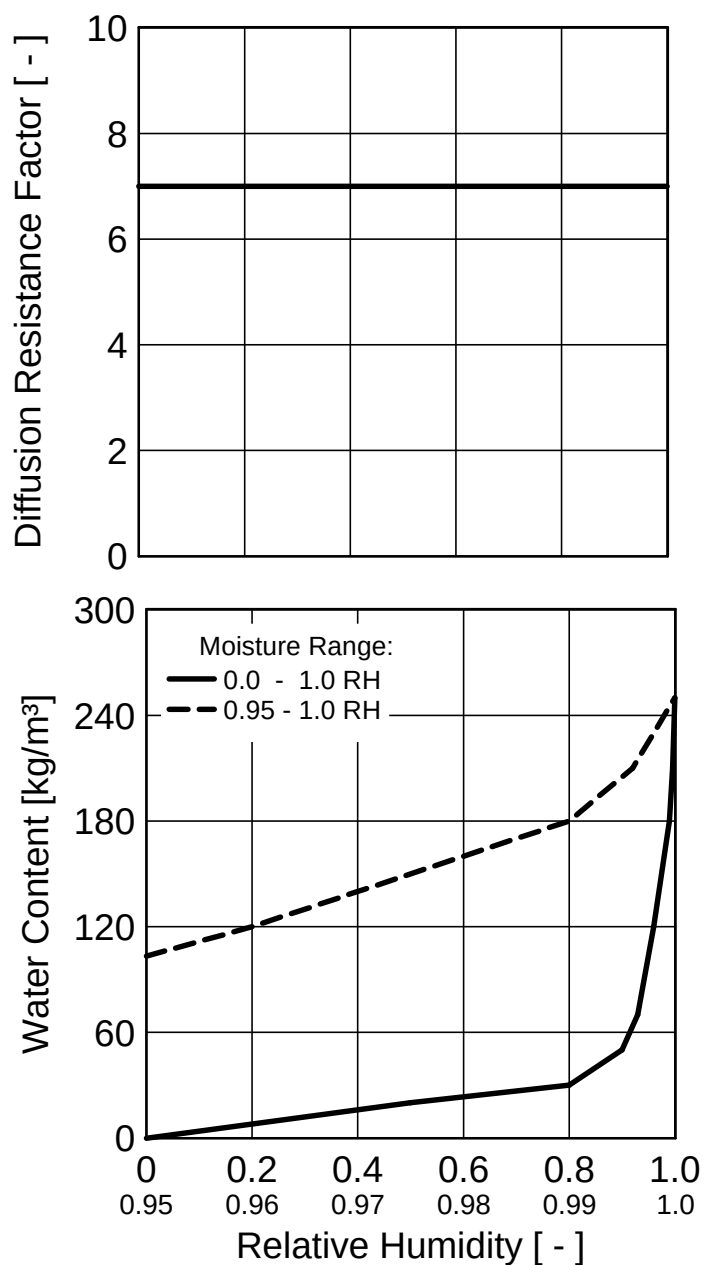
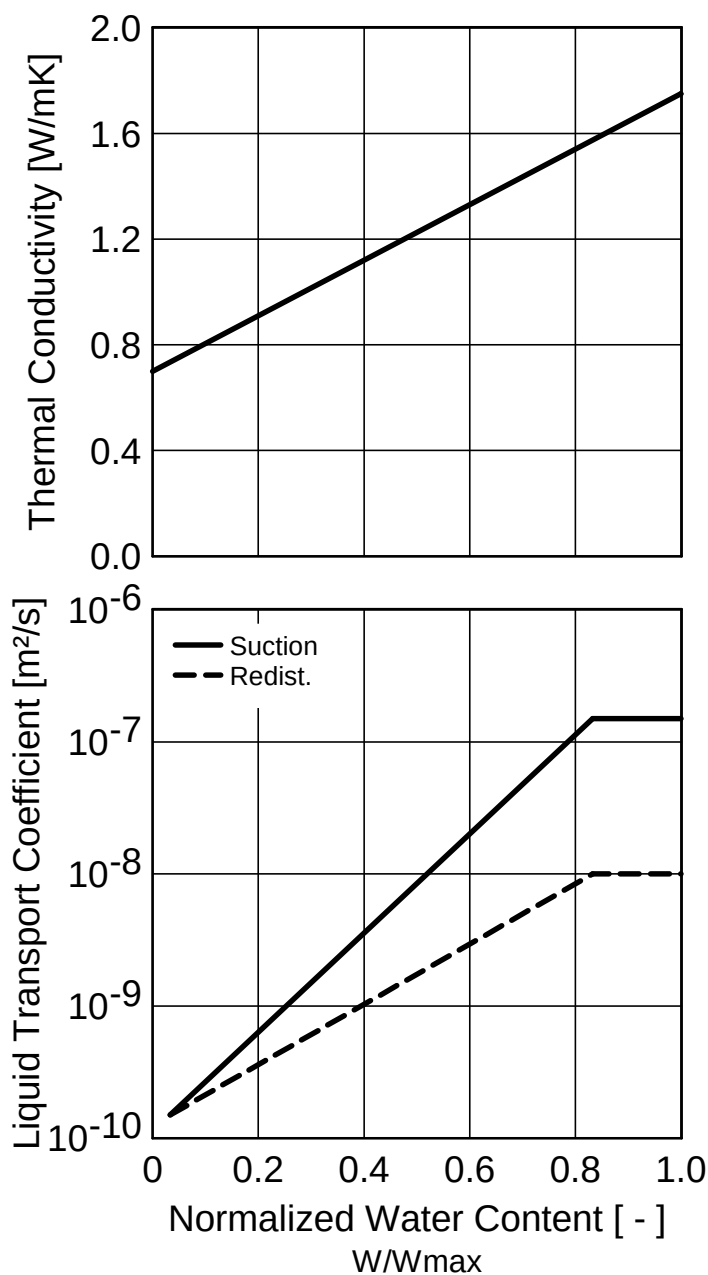
Property	Unit	Value
Bulk density	[kg/m ³]	850,0
Porosity	[m ³ /m ³]	0,65
Specific Heat Capacity, Dry	[J/kgK]	850,0
Thermal Conductivity, Dry	[W/mK]	0,2
Water Vapour Diffusion Resistance Factor	[-]	8,3
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	8,0



Material : Lime based render/plaster

Checking Input Data

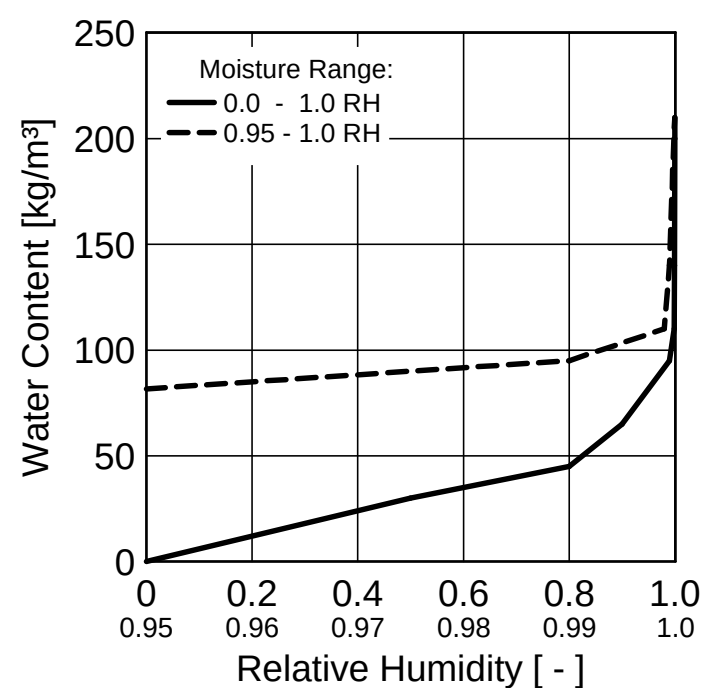
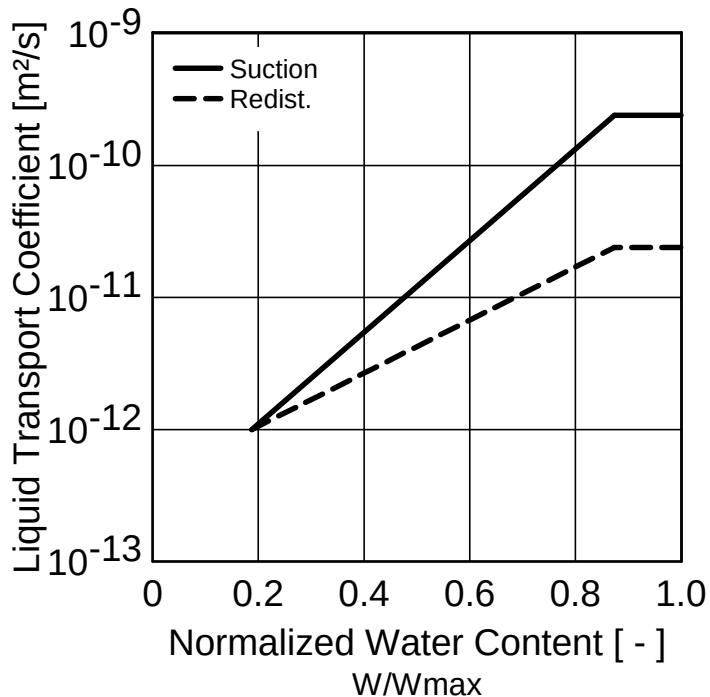
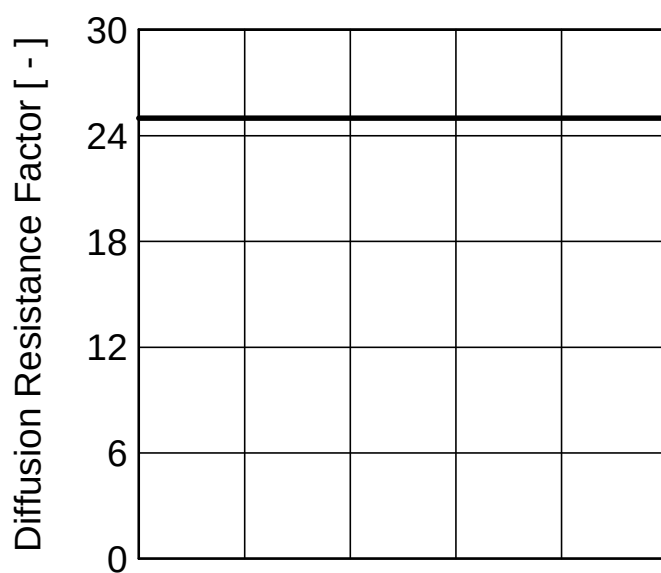
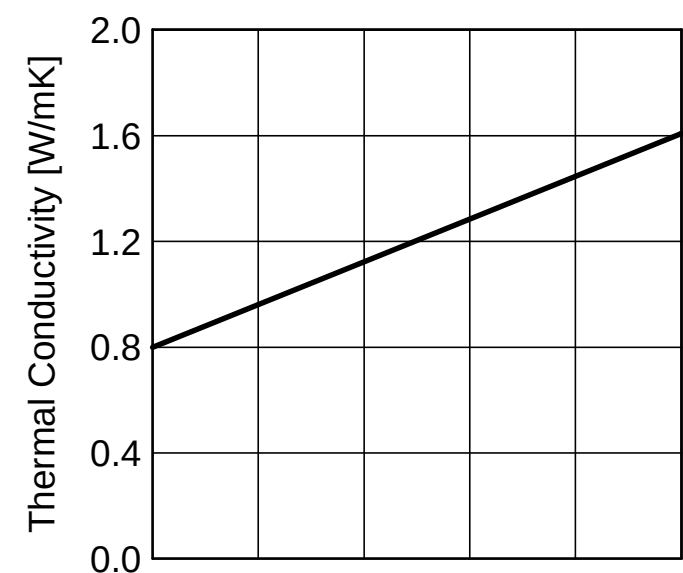
Property	Unit	Value
Bulk density	[kg/m ³]	1600,0
Porosity	[m ³ /m ³]	0,3
Specific Heat Capacity, Dry	[J/kgK]	850,0
Thermal Conductivity, Dry	[W/mK]	0,7
Water Vapour Diffusion Resistance Factor	[-]	7,0
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	8,0



Material : Render

Checking Input Data

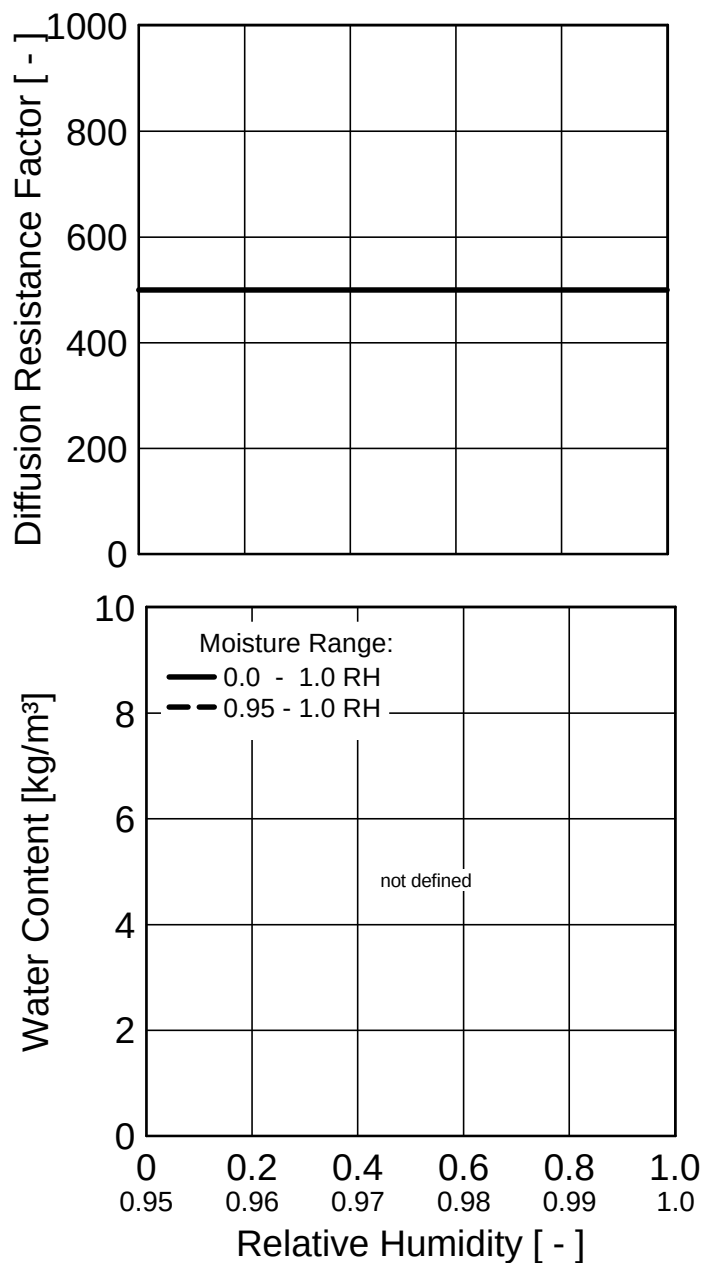
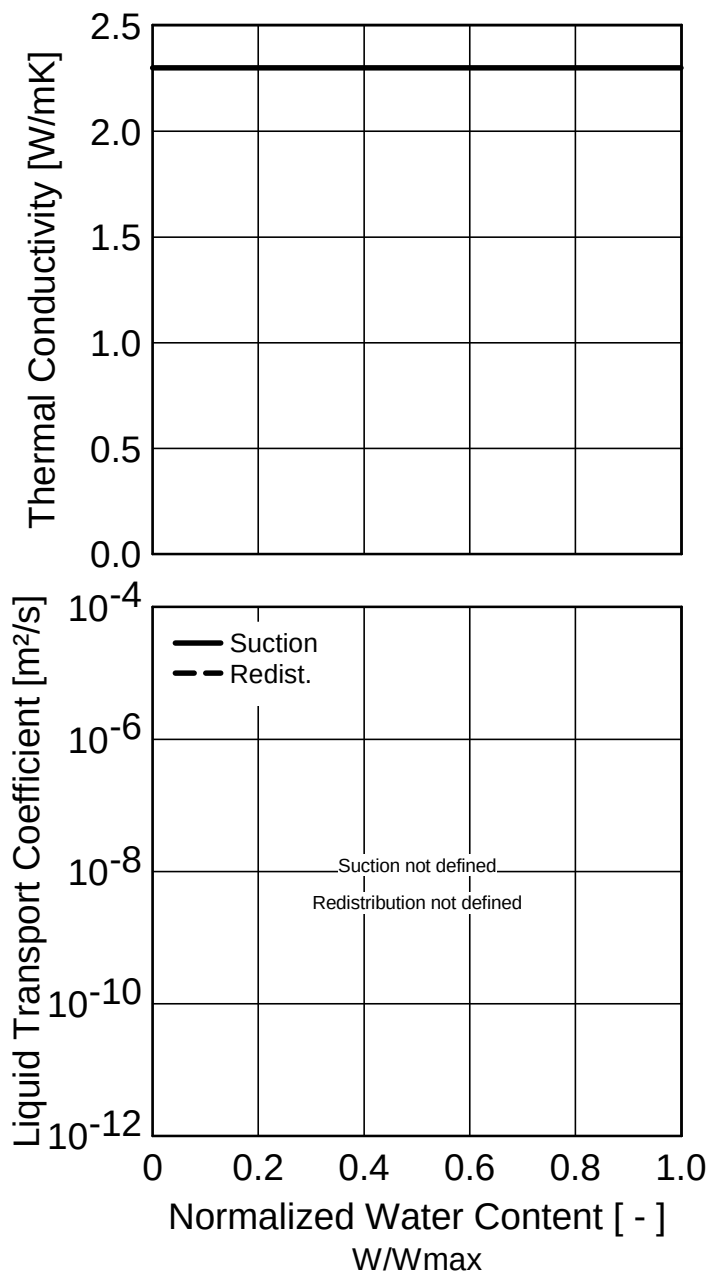
Property	Unit	Value
Bulk density	[kg/m ³]	1900,0
Porosity	[m ³ /m ³]	0,24
Specific Heat Capacity, Dry	[J/kgK]	850,0
Thermal Conductivity, Dry	[W/mK]	0,8
Water Vapour Diffusion Resistance Factor	[-]	25,0
Reference Water Content	[kg/m ³]	45,0
Free Water Saturation	[kg/m ³]	210,0
Water Absorption Coefficient	[kg/m ² s ^{0.5}]	0,00167
Moisture-dep. Thermal Cond. Supplement	[%/M.-%]	8,0



Material : Weather resistive barrier

Checking Input Data

Property	Unit	Value
Bulk density	[kg/m ³]	130,0
Porosity	[m ³ /m ³]	0,001
Specific Heat Capacity, Dry	[J/kgK]	2300,0
Thermal Conductivity, Dry	[W/mK]	2,3
Water Vapour Diffusion Resistance Factor	[-]	500,0



Material : Vapour barrier

Checking Input Data

Property	Unit	Value
Bulk density	[kg/m ³]	130,0
Porosity	[m ³ /m ³]	0,001
Specific Heat Capacity, Dry	[J/kgK]	2300,0
Thermal Conductivity, Dry	[W/mK]	2,3
Water Vapour Diffusion Resistance Factor	[-]	1500000,0

