

Heat Transfer Data Sheet

Example data taken by Kathryn Williamson

Ambient Air Temp:	68 degrees F
Heat Source:	150W Infrared Heat Lamp
Distance of Heat Source:	13 inches
Sample dimensions (LxWxH)	6x4x1.5 in

		Temperature (degree F)						
	Time (min)	Moss	Water	White pebbles	Black roof shingle	Wood	Ice	Plant Leaves
Heat applied	0.00	67.4	67.0	67.8	69.1	68.0	10.1	69.5
	1.00	82.0	68.0	70.1	81.1	82.4	17.8	79.1
	2.00	94.0	68.5	71.8	88.0	86.3	23.2	85.7
	3.00	98.0	69.4	73.3	92.3	86.8	28.2	89.1
	4.00	99.0	69.9	74.5	99.3	90.5	29.8	91.2
Heat removed	5.00	98.0	70.0	76.0	101.0	92.5	33.9	93.0
	6.00	77.0	68.2	73.0	90.5	77.3	31.1	83.1
	7.00	73.0	67.5	72.4	85.0	75.8	33.3	78.6
	8.00	72.6	67.4	71.9	81.6	73.7	33.4	76.2
	9.00	71.3	67.3	71.5	79.1	71.1	34.7	75.1
	10.00	71.1	67.2	71.1	77.3	71.5	35.1	73.9

	Moss	Water	White pebbles	Black roof shingle	Wood	Ice	Plant Leaves
Temp Change (degrees F)	30.6	3.0	8.2	31.9	24.5	23.8	23.5

