

EDUCATIONAL SERIES: ES.6

Dew Point Calculation Chart

RELATIVE HUMIDITY	AMBIENT AIR TEMPERATURE – FAHRENHEIT (°F)										
	20	30	40	50	60	70	80	90	100	110	120
90%	18	28	37	47	57	67	77	87	97	107	117
85%	17	26	36	45	55	65	75	84	95	104	113
80%	16	25	34	44	54	63	73	82	93	102	110
75%	15	24	33	42	52	62	71	80	91	100	108
70%	13	22	31	40	50	60	68	78	88	96	105
65%	12	20	29	38	47	57	66	76	85	93	103
60%	11	19	27	36	45	55	64	73	83	92	101
55%	9	17	25	34	43	53	61	70	80	89	98
50%	6	15	23	31	40	50	59	67	77	86	94
45%	4	13	21	29	37	47	56	64	73	82	91
40%	1	11	18	26	35	43	52	61	69	78	87
35%	-2	8	16	23	31	40	48	57	65	74	83
30%	-6	4	13	20	28	36	44	52	61	69	77
SURFACE TEMPERATURE AT WHICH CONDENSATION OCCURS											

DEW POINT

Dew point is the temperature at which a condensable component of gas (water vapor in the air) starts to condense into a liquid on a surface.

EXAMPLE

If ambient (air) temperature is 60°F, and the relative humidity is 70%, the dew point is 50°F. No coating or overlay should be applied unless the surface temperature of the substrate is 55°F or greater.

NOTES

1. No coatings or overlay should be applied unless the surface temperature is a minimum of 5°F above the dew point.
2. The ambient temperature must be maintained during curing process up to the tack-free stage of cure.