



DEW POINT CALCULATION CHART

Relative Humidity	Ambient Air Temperature- Fahrenheit										
	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: Surface condensation occurs when the temperature reaches a certain point where moisture begins to condense. Coatings should not be applied unless the surface temperature is at least 5 degrees above this critical condensation temperature. It is crucial to maintain this temperature throughout the curing process. Alternatively, the temperature can be steadily decreasing, but it should never be on the rise.

EXAMPLE: If the ambient air temperature is 70°F and relative humidity is 65%, the dew point is 57°F. No coating should be applied unless the surface temperature of the concrete slab is 62°F minimum.