

What Is Dew Point?

When Performance Counts!

Dew Point - the atmospheric temperature at which ambient air becomes saturated, causing moisture to condense on surfaces and form dew.

How To Calculate Dew Point

Atmospheric / Air Temperature (°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 When Condensation Occurs (°F)

Example: Using a hand-held thermometer or data collected from a local weather station, the atmospheric air temperature is 70° F and the relative humidity is 65%. Using this chart, we determine the dew point is 57° F. Per AC•Tech technical data sheets and installation instructions, coatings should not be applied when temperatures are within 5° F of the dew point. Care should be taken to ensure that application does not occur if temperatures fall below 62° F, as condensation may occur at this temperature and cause damage or failure.

For more information regarding dew point, contact us.

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