

Dew point table

2025

Air temperature	Dew point temperature in °C at a relative humidity of										
	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%
2 °C	-7,77	-6,56	-5,43	4,40	-3,16	-2,48	-1,77	-0,98	-0,26	0,47	1,20
4 °C	-6,11	-4,88	-3,69	-2,61	-1,79	-0,88	-0,09	0,78	1,62	2,44	3,20
6 °C	-4,49	-3,07	-2,10	-1,05	-0,08	0,85	1,86	2,72	3,62	4,48	5,38
8 °C	-2,69	-1,61	-0,44	0,67	1,80	2,83	3,82	4,77	5,66	6,48	7,32
10 °C	-1,26	0,02	1,31	2,53	3,74	4,79	5,82	6,79	7,65	8,45	9,31
11 °C	-0,40	1,00	2,30	3,50	4,70	5,80	6,70	7,70	8,60	9,40	10,20
12 °C	0,35	1,84	3,19	4,46	5,63	6,74	7,75	8,69	9,60	10,48	11,33
14 °C	2,20	3,76	5,10	6,40	7,58	8,67	9,70	10,71	11,64	12,55	13,36
15 °C	3,12	4,65	6,07	7,36	8,52	9,63	10,70	11,69	12,62	13,52	14,42
16 °C	4,07	5,59	6,98	8,29	9,47	10,61	11,68	12,66	13,63	14,58	15,54
17 °C	5,00	6,48	7,92	9,18	10,39	11,48	12,54	13,57	14,50	15,36	16,19
18 °C	5,90	7,43	8,83	10,12	11,33	12,44	13,48	14,56	15,41	16,31	17,25
19 °C	6,80	8,33	9,75	11,09	12,26	13,37	14,49	15,47	16,40	17,37	18,22
20 °C	7,73	9,30	10,72	12,00	13,22	14,40	15,48	16,46	17,44	18,36	19,18
21 °C	8,60	10,22	11,59	12,92	14,21	15,36	16,40	17,44	18,41	19,27	20,19
22 °C	9,54	11,16	12,52	13,89	15,19	16,27	17,41	18,42	19,39	20,28	21,22
23 °C	10,44	12,02	13,47	14,87	16,04	17,29	18,37	19,37	20,37	21,34	22,23
24 °C	11,34	12,93	14,44	15,73	17,06	18,21	19,22	20,33	21,37	22,32	23,18
25 °C	12,20	13,83	15,37	16,69	17,99	19,11	20,24	21,35	22,27	23,30	24,22
26 °C	13,15	14,84	16,26	17,67	18,90	20,09	21,29	22,32	23,32	24,31	25,16
27 °C	14,08	15,68	17,24	18,57	19,83	21,11	22,23	23,31	24,32	25,22	26,10
28 °C	14,96	16,61	18,14	19,38	20,86	22,07	23,18	24,28	25,25	26,20	27,18
29 °C	15,85	17,58	19,04	20,48	21,83	22,97	24,20	25,23	26,21	27,26	28,18
30 °C	16,79	18,44	19,96	21,44	23,71	23,94	25,11	26,10	27,21	28,19	29,09
32 °C	18,62	20,28	21,90	23,26	24,65	25,79	27,08	28,24	29,23	30,16	31,17
34 °C	20,42	22,19	23,77	25,19	26,54	27,85	28,94	30,09	31,19	32,13	33,11
36 °C	22,23	24,08	25,50	27,00	28,41	29,65	30,88	31,97	33,05	34,23	35,06
38 °C	23,97	25,74	27,44	28,87	30,31	31,62	32,78	33,96	35,01	36,05	37,03
40 °C	25,79	27,66	29,22	30,81	32,16	33,48	34,69	35,86	36,98	38,05	39,11
45 °C	30,29	32,17	33,86	35,38	36,85	38,24	39,54	40,74	41,87	42,97	44,03
50 °C	34,76	36,63	38,46	40,09	41,58	42,99	44,33	45,55	46,75	47,90	48,98

The dew point shows at which temperature condensation starts forming on the substrate depending on the air temperature and the relative humidity of air.

Example: With an air temperature of 20°C and 70 % relative humidity of air, condensation starts when the substrate temperature is 14,40°C. If the contact thermometer shows a value below 17,4°C (14,40° +3° safety factor), application of coatings should not be carried out.

Take into account the minimum and maximum application temperatures of the product you are using. These will vary depending on the type of product.



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