

**Dew point temperature in °C with relative humidity of air**

Air temperature	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
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.

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