

Conditions of a Healthy Home

**This eBook
shows how quickly mould can appear
and will set in because of
specific conditions in
Your Home
Your Garage
or your Storage Unit**

With the Complements of

www.easierventilation.co.nz

Conditions of a Healthy Home

Condensation and mold effect most homes..

They are produced only under certain temperature and moisture/humidity conditions, generally mold will not occur unless you first have condensation, however mild.



















The following few pages show at what temperatures you are likely to get mould growth and in how few days (sometimes as quickly as 3 days)

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Dew Point Charts

Conditions of a Healthy Home

Healthy Room Temp	Between 17 and 21 Deg C in dry room						
Dew Point	Surface temp when condensation occurs						
Humidity (RH)	<table border="1"><tr><td>Healthy</td><td>At Risk</td><td>Un-Healthy</td></tr><tr><td></td><td></td><td></td></tr></table>	Healthy	At Risk	Un-Healthy			
Healthy	At Risk	Un-Healthy					
							
Number Days B4 Mould	<table border="1"><tr><td>No Risk</td><td>Be Aware</td><td>Un-Healthy</td></tr><tr><td></td><td></td><td></td></tr></table>	No Risk	Be Aware	Un-Healthy			
No Risk	Be Aware	Un-Healthy					
							

Each page covers a different temperature
from 15 to 25 Deg C
At the stated temp (Col 1) and the Relative humidity (col 2) you will get
condensation at the temp (Col 3) and mold in that # of days (Col 4)

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Temp 15 DegC

At this Temperature Deg C	and this R/H %	Condens at Deg C	Number of Days to get Mould	Notes
15	56	6		
15	58	7		
15	60	7		
15	62	8		
15	64	8		
15	66	9		
15	68	9		
15	70	10		
15	72	10		
15	74	10	55	
15	76	11	34	
15	78	11	22	
15	80	12	15	
15	82	12	11	
15	84	12	8	
15	86	13	6	
15	88	13	5	
15	90	13	4	
15	92	14	4	
15	94	14	3	

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Temp 17 DegC

At this Temperature Deg C	and this R/H %	Condens at Deg C	Number of Days to get Mould	Notes
17	56	8		
17	58	9		
17	60	9		
17	62	10		
17	64	10		
17	66	11		
17	68	11		
17	70	11		
17	72	11	92	
17	74	12	53	
17	76	12	32	
17	78	12	21	
17	80	13	14	
17	82	13	10	
17	84	13	8	
17	86	15	6	
17	88	15	5	
17	90	15	4	
17	92	15	3	
17	94	16	3	

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Temp 19 DegC

At this Temperature Deg C	and this R/H %	Condens at Deg C	Number of Days to get Mould	Notes
19	56	10		
19	58	11		
19	60	12		
19	62	12		
19	64	12		
19	66	12		
19	68	13		
19	70	13	168	
19	72	14	88	
19	74	14	50	
19	76	15	31	
19	78	15	20	
19	80	15	14	
19	82	16	10	
19	84	16	8	
19	86	17	6	
19	88	17	5	
19	90	17	4	
19	92	18	3	
19	94	18	3	

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Temp 21 DegC

At this Temperature Deg C	and this R/H %	Condens at Deg C	Number of Days to get Mould	Notes
21	56	12		
21	58	12		
21	60	12		
21	62	13		
21	64	13		
21	66	14		
21	68	14	340	
21	70	15	163	
21	72	15	86	
21	74	16	49	
21	76	16	30	
21	78	16	19	
21	80	17	13	
21	82	17	10	
21	84	18	7	
21	86	18	6	
21	88	18	5	
21	90	19	4	
21	92	19	3	
21	94	20	3	

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Temp 23 DegC

At this Temperature Deg C	and this R/H %	Condens at Deg C	Number of Days to get Mould	Notes
23	56	14		
23	58	14		
23	60	15		
23	62	15		
23	64	16		
23	66	16		
23	68	17	332	
23	70	17	159	
23	72	18	84	
23	74	18	48	
23	76	19	29	
23	78	19	19	
23	80	19	13	
23	82	20	9	
23	84	20	7	
23	86	21	6	
23	88	21	4	
23	90	21	4	
23	92	22	3	
23	94	22	3	

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Temp 25 DegC

At this Temperature Deg C	and this R/H %	Condens at Deg C	Number of Days to get Mould	Notes
25	56	16		
25	58	16		
25	60	17		
25	62	17		
25	64	18		
25	66	18	756	
25	68	19	326	
25	70	19	156	
25	72	20	82	
25	74	20	47	
25	76	21	29	
25	78	21	19	
25	80	21	13	
25	82	22	9	
25	84	22	7	
25	86	22	5	
25	88	23	4	
25	90	23	4	
25	92	23	3	
25	94	24	3	

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Websites and product to help you to reduce or remove condensation

Keep an eye on the conditions at your place with

Humidity and Temperature monitors

Weather Stations

Some of these will give you both inside and outside conditions

Books on Mechanical Ventilation – Domestic and Commercial Books

DeLonghi Dehumidifiers USA only

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Renewable Energy Books

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