

Table 3.12.1.1b ADJUSTMENT OF MINIMUM R-VALUE FOR LOSS OF CEILING INSULATION

Percentage of ceiling area uninsulated	Minimum <u>R-Value</u> of ceiling insulation <u>required</u> to satisfy <u>3.12.1.2(a)</u>							
	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
	Adjusted minimum <u>R-Value</u> of ceiling insulation <u>required</u> to compensate for loss of ceiling area insulation							
0.5% to less than 1.0%	2.8	3.4	4.0	4.7	5.4	6.2	6.9	
1.0% to less than 1.5%	2.9	3.6	4.4	5.2	6.1	7.0		
1.5% to less than 2.0%	3.1	3.9	4.8	5.8	6.8			
2.0% to less than 2.5%	3.3	4.2	5.3	6.5				
2.5% to less than 3.0%	3.6	4.6	5.9					
3.0% to less than 4.0%	4.2	5.7		Not permitted				
4.0% to less than 5.0%	5.0							
5.0% or more								

Note:
Where the minimum R-Value of ceiling insulation required to satisfy 3.12.1.2(a) is between the values stated, interpolation may be used to determine the adjusted minimum R-Value.

Explanatory information:

1. When considering the reduction of insulation because of exhaust fans, flues or recessed downlights, 0.5% of the ceiling area for a 200 m² house would permit 2 bathroom heater-light assemblies, a laundry exhaust fan, a kitchen exhaust fan and either approximately 20 recessed down-lights with 50 mm clearance to insulation, 10 recessed downlights with 100 mm clearance to insulation or only 3 recessed downlights with 200 mm clearance to insulation.
2. Note that Table 3.12.1.1a refers to the R-Value of the insulation located on the ceiling and is not the Total R-Value required of the roof. The roof has an inherent R-Value and there may also be insulation at the roof line.