

General

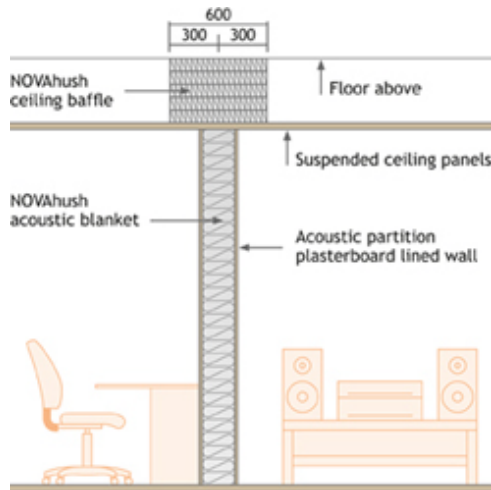
NOVAhush 100% polyester insulation is safe and user friendly. However to guard against hazards it is recommended that protective dust masks and safety glasses are worn. For further safety information refer to the OSH Health & Safety Guidelines for the Selection and Safe Handling of Synthetic Mineral Fibres as it refers to Polyester.

Tools required

Safety approved step ladder or moveable platform for walls.

When installing NOVAhush, be sure to:

- Keep the product dry at all times. Do not use NOVAhush in situations where the product will come into contact with water or moisture.
- Use sufficient product so that a snug fit is achieved around the edges. The product is easily torn to required lengths. Tear pre-cut NOVAhush Baffle to required lengths.



Clearances

Clearances per NZS 4246¹

- Extractor fans (un-ducted/exposed) – 200mm
- Metal flues – 50mm
- Brick/concrete chimneys – 50mm
- Recessed light fittings (downlights)
 - If the manufacturer’s specified clearances for downlights are known they shall be followed.
 - If they are not known then the following clearances shall be made:
 - Halogen lamps – 200mm
 - Incandescent lamps – 50mm
- Where the type of lamp cannot be determined, a minimum clearance of 200mm shall be made between the downlight and insulation material.

¹. NZS 4246: 2006 Amendment No. 1, correct as at September 2010

Single Stack Bafflestack Table

Compression rate	Typical Plenum height	Number in the stack	Lineal Metre	m2	Number of Bales req'd	Anticipated CAC
10%	600	7	1	4.2	0.21	39
10%	800	9	1	5.4	0.27	39
10%	1200	14	1	8.4	0.42	39
10%	1500	17	1	10.2	0.51	39
30%	600	9	1	5.4	0.27	43
30%	800	12	1	7.2	0.36	43
30%	1200	18	1	10.8	0.54	43
30%	1500	21	1	12.6	0.63	43
50%	600	12	1	7.2	0.36	55*
50%	800	16	1	9.6	0.48	55*
50%	1200	24	1	14.4	0.72	55*
50%	1500	24	1	14.4	0.72	55*

Double width stack

Compression rate	Typical Plenum height	Number in the stack	Lineal Metre	m2	Number of Bales req'd	Anticipated STC
10%	600	7	1	8.4	0.42	53*
10%	800	9	1	5.4	0.27	53*
10%	1200	14	1	8.4	0.42	53*
30%	600	9	1	5.4	0.27	69*
30%	800	12	1	7.2	0.36	69*
30%	1200	18	1	10.8	0.54	69*
30%	1500	21	1	12.6	0.63	69*

Guidelines for ceilings

Hazards in Ceilings

The hazards in the ceiling area include but are not limited to: sharp objects such as nails, heat exhaustion, dust inhalation, fragile ceilings and other dangers such as chimneys, downlights, hidden wardrobes, ventilation and air conditioning systems. For further guidance refer to the IAONZ Safety Induction Plan at www.iaonz.co.nz/pdf/iaonz-passport-handbook.pdf

Installation in ceilings

Stack the NOVAhush insulation in layers, lengthwise over the common wall. As the roll is continuous and pre-cut to width, simply tear to required length. Centre the stack so that there is 300mm equally installed each side of the common wall (unless specified elsewhere). Use the cut edge as a guide to install the correct number of layers - compressing the the baffles to fill the void. Please refer to the table on the left for Compression rates in a typical, 1.2 metre plenum height for single and double width Bafflestack.

If a double stack is specified, lay 600mm wide stack each side of the common wall in the ceiling cavity.

Electrical/Computer boxes and air conditioning units must be free to air cool if they have fans installed.

We recommend the ceiling tile face and top of the wall have acoustic foam applied when installing the last Bafflestack to reduce the chance of acoustic flanking at this junction.

Should you require further details, please contact one of our Account Managers on 0800 100 007.

NB: For optimum performance, it is useful to know that the ceiling gridlines should be designed so that the grid joints meet over the common wall.

