Pink® Superbatts® Thermal Solutions

Installation Guide

pink® superbatts®

BROUGHT TO YOU BY COMFORTECH®

Pink® Superbatts® Ceiling Insulation
Installation Instructions

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Correct installation with no gaps or folds is critical to ensure Pink® Superbatts® ceiling insulation performance is not compromised.

Safety

Each installation is unique so prior to installation check for all hazards that may cause injury:

- Ensure roof space structure is safe to install in
- Ensure there's adequate lighting to identify any hazards
- Treat all electrical cables as live, being careful not to cut or expose cables and wires
- Beware of sharp objects (protruding nails, splinters etc.), pests (bees and wasps), loose boards and pipe work
- Check roof temperature
- The roof cavity temperature can increase to uncomfortable levels
- Do not stand on ceiling lining or ceiling battens

Note: Seek professional advice if you are unsure how best to isolate the hazard or have a professional installer carry out the work on your behalf.

For insulation installation, PinkFit® are a nationwide network of professional installers who guarantee that their completed installation will meet the requirements of NZS 4246:2016.

Call **0800 746 534** for your local PinkFit® installer.

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Comfortech® recommend referring to NZS 4246:2016 for full details on insulation installation, before installing any Pink® Batts® or Pink® Superbatts® products.

Although not required, for your comfort while installing, it's recommended you wear appropriate clothing and PPE including:

- Dust mask
- Safety glasses
- Cut resistant gloves (if knife is used)
- Kneepads (for retrofitting)

For an efficient installation, the following tools are recommended:

- Stable working platform
- Kneeling board or planks (for retrofitting)
- Knife
- Tape measure
- Install rod for tight spaces
- Head torch (for retrofitting) or appropriate lighting

For retrofitting, take into consideration:

- Using planks laid across joists to walk and work on
- Levelling and refitting any existing insulation if required with correct clearances
- Removing any damp or damaged insulation
- Starting installation at the point furtherest away from the ceiling access hole
- Ensure the product is installed dry
- Friction fit product between framing, ensuring there are no gaps, folds or over compression of the product to achieve optimal performance
- If cutting is required, cut oversize by 5-10mm to ensure a good friction fit
- Ensure that Pink® Superbatts® ceiling segments are firmly butted against each other
- Install over timber where insulation already exists or where appropriate. Any open air pockets beside joist/truss cord ends at the roof perimeter to be blocked off with insulation baffling
- Maintain a minimum 25mm gap clearance between the Pink® Superbatts® insulation and any roofing membrane
- Insulate access hole cover and secure in place
- Excess material offcuts from notching can be used to fill small voids or cavities.

Tip: To verify Building Code Compliance, staple a product label at an easy to find location away from any hot items such as down lights or water cylinders e.g. on truss/rafter above ceiling access hole and hot water cupboard.

Note: Pink® Superbatts® ceiling insulation should not be installed in a roof space where foil has been installed as a roof underlay. Refer to NZS 4246:2016 for full details.

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Clearances

For determining clearances, refer to NZS 4246:2016 Energy Efficiency – Installing bulk thermal insulation in residential buildings.

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Insulation Guard

If an insulation guard is in place, this will allow compression of the Pink® Superbatts® to a minimum of halfway or more across the top plate. On lower pitched roofs, or if there is no insulation guard, a thinner product may need to be installed above the top plate. This is to ensure a minimum of 25mm air gap between insulation and roofing underlay. It is important to note the insulation guard must be fitted as part of the roof install, not as part of the insulation install. A minimum of R3.3 construction R-value is required for the last 500mm of the ceiling perimeter.

Single Layer Installation

Pink® Superbatts® products are designed so they can be cut to fit over the bottom truss chord with trusses at 900mm centres. Comfortech® recommend notching one side of the Pink® Superbatts® as illustrated in Figure 1, this ensures that there is insulation above the truss cord, and heat loss is mitigated as there is no thermal bridge. To notch the product, cut to the same width as the truss chord and adjust the depth in accordance with the depth of your truss bottom chord. You will need to notch one of the two Pink® Superbatts® that fit between each truss, installing the notched Batt® over the truss with the second Pink® Superbatt® to butt up against the side of the next truss under slight compression. To achieve the required construction R-value of R3.3 at the ceiling perimeter (last 500mm), a minimum product R-value of R3.5* and a minimum 115mm height is required at the midpoint of the top plate to the underside of the insulation guard, to accommodate the compressed insulation. If the roof slope is less than 20 degrees, a raised heel will be required on the truss.

***Testing has shown that the full Pink® Superbatts® ceiling range achieves the required perimeter construction R-value under compression.**

Double layer Installation

In some situations, a double layer insulation solution may be specified or required. Comfortech® recommend the top layer install be started first, with the bottom layer being installed underneath it. The top layer is to be run uninterrupted across the trusses, and the bottom layer to be installed in between the trusses (Figure 2).

To achieve the required construction R-value of R3.3 at the ceiling perimeter (last 500mm), a minimum product R-value of R3.5* and a minimum 115mm height is required at the midpoint of the top plate to the underside of the insulation guard, to accommodate the compressed insulation. Therefore, the first 460mm of ceiling perimeter insulation utilises a single layer of the higher R-value product (the top layer). If the roof slope is less than 20 degrees, a raised heel will be required on the truss.

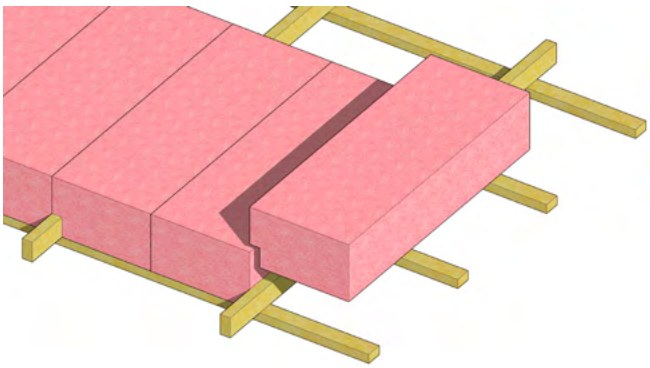

Figure 1.

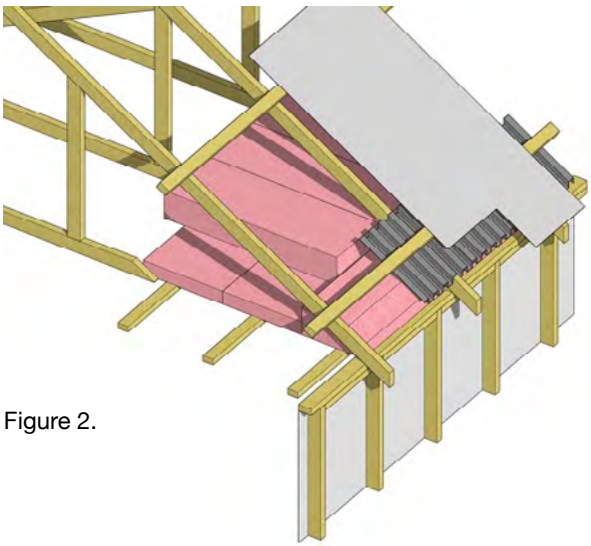

Figure 2.

Pink® Superbatts® Ceiling Insulation
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PRODUCT GLASS WOOL RANGE	Product Code	Size (mm)	Nominal Stabilised Thickness (mm)	Nominal Total Area Per Bale (m^2)	Approx. Coverage Per Bale* (m^2)	Pieces Per Bale	Eco Choice Aotearoa (Environmental Choice)	Environmental Product Declaration	BRANZ Appraisal Number
ROOF – THERMAL INSULATION									
460mm WIDTH RANGE									
R4.5 Pink® Superbatts® Ceiling	7113145	1220 x 460	210	5.6	5.5	10	✓	✓	238
R5.0 Pink® Superbatts® Ceiling	7113150	1220 x 460	225	4.5	4.4	8	✓	✓	238
R6.0 Pink® Superbatts® Ceiling	7113160	1220 x 460	245	3.9	3.8	7	✓	✓	238
R7.0 Pink® Superbatts® Ceiling	7113170	1220 x 460	275	3.4	3.3	6	✓	✓	238
ROOF – DOUBLE LAYER SOLUTION - FIRST LAYER THERMAL INSULATION									
R2.6 Pink® Batts® 110mm Ceiling	7160266	1220 x 432	110	9.5	10	18	✓	✓	238
R3.0 Pink® Batts® 160mm Ceiling	7160265	1220 x 432	160	8.4	8.9	16	✓	✓	238
ROOF – SKILLION THERMAL INSULATION									
SKILLION 560mm WIDTH RANGE									
R5.0 Pink® Superbatts® Skillion Roof	7113250	1220 x 560	180	4.1	4.4	6	✓	✓	767
R6.0 Pink® Superbatts® Skillion Roof	7113260	1220 x 560	230	4.1	4.4	6	✓	✓	767
R7.4 Pink® Superbatts® Skillion Roof	7113274	1220 x 560	275	3.4	3.7	5	✓	✓	767
SKILLION 580mm WIDTH RANGE - SECONDARY INSULATION LAYER SOLUTION									
R1.0 Pink® Superbatts® Skillion Roof	7113210	1220 x 580	40	17.0	17.6	24	✓	✓	767

* Square metre coverage per bale are estimates and actual coverage may differ.

Storage and Maintenance

Pink® Superbatts® insulation should be protected from damage and weather. Store undercover in clean, dry conditions. The installed product should remain dry at all times. If the product becomes wet or damp, the source of dampness (e.g. leak in building) should be repaired and any wet or damp insulation should be removed and replaced with new insulation of an equivalent R-value.

Disposal of bags

Recyclable LLDPE bags are used for packaging of Pink® Superbatts® insulation. For further details download the relevant product data sheet from pinkbatts.co.nz

PREFERRED PINK® BATTS® INSTALLERS

BRANZ Appraised
Appraisal No. 238 [2023]
Appraisal No. 632 [2023]
Appraisal No. 767 [2023]

Eco Choice Aotearoa
Licence No 2504017

AUSTRALASIA EPD®
ENVIRONMENTAL PRODUCT DECLARATION

GREENGUARD

Comfortech Building Performance Solutions® Certified QMS
Telarc. Registered
Quality
ISO 9001
ISO 45001
ISO 14001

pinkbatts.co.nz **0800 746 522**

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