



Temper
Therm

Installation

TemperTherm 100% Polyester Acoustic Baffle Stack

TemperTherm 100% Polyester is a range of thermal and acoustic insulating materials manufactured from thermally bonded polyester fibres. Premier 100% Polyester Insulation is available in blanket and segment form to suit a wide range of thermal & acoustic insulation requirements and framing set-outs in walls, mid-floors, ceilings and roofs of buildings.

ACOUSTIC BAFFLE STACK INSTALLATION INSTRUCTIONS

TemperTherm 100% Polyester acoustic ranges utilise specialist low denier, high-volume hollow-core polyester fibres for superior sound absorption. Our TemperTherm 100% Polyester Insulation is made from minimum 45% post-consumer recycled plastics (PET), and is safe to touch and will never slump, sag, or reduce its performance.

Our entire TemperTherm range carry a 50 Year Product Durability Warranty.

TemperTherm 100% Polyester Acoustic Baffle Stack is supplied in 600mm wide rolls and is designed to be layer stacked in the plenum space above acoustic rated partition walls to reduce and control sound transfer between spaces.

COMPLIANCE STATEMENTS

The out-of-pack thickness of the insulation material may be reduced if it is stored for too long in its compressed packaging.

Should this product be found to be compressed, it will recover to its nominal thickness between 48 Hours and up to one month following installation.

TemperTherm 100% Polyester Insulation should be removed from its compressed packaging within 6 months from the date of manufacture.

TemperTherm 100% Polyester Insulation will meet and exceed the 50 year durability clause of the NZBC (B2.3.1(a)) when installed in accordance with these manufacturer's instructions.

TemperTherm 100% Polyester Insulation is supplied with labelling compliant with AS/NZS4859.1. The nominal thickness, net area, and nominal weight of each pack is recorded on the product bale label.

INSTALLER SAFETY

Each installation is unique so prior to installing insulation check for hazards that could cause injury.

Our 100% polyester insulation is completely safe and there are no precautions or specialist safety equipment required to handle or install our products. Our 100% Polyester Insulation is non-toxic, non-irritant and non-allergenic.

We do however recommend some basic PPE when installing insulation. PPE should include dust mask, safety glasses, appropriate clothing or coveralls, and cut resistant gloves to protect from cuts.

CAUTION: Electric cables and equipment partially or completely surrounded with any bulk thermal insulation may overheat and fail. This applies to wiring installed prior to 1989.

Refer NZS4246:2016 for required insulation clearances to downlights and electrical appliances.

INSTALLATION TOOLS

We recommend you have the following installation tools: step ladder, tape measure/laser meter, wide blade snap/disposable knife or specialist insulation cutter/knife/saw, and an installing stick, such as a broom handle for pushing the insulation into corners and harder to reach places.

Protective clothing is recommended, including coveralls, gloves, covered shoes, goggles and dusk mask.

TRANSPORTATION & STORAGE

TemperTherm Insulation must be stored under cover and in dry conditions. Heavy objects must not be stacked on the packs.

Packs should be stored in an orientation that avoids excessive compression of the product.

TemperTherm 100% Polyester Insulation is supplied in compressed packaging sleeves in order to increase freighting efficiency. Insulation must be released from the packaging and allowed to re-loft prior to installation. The time to loft will depend upon the length of time the product has been packaged and stored.



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All thermal and acoustic insulation should be installed in accordance with the relevant provisions of NZS4246:2016 Energy Efficiency – Installing Insulation in Residential Buildings. Standards New Zealand has made this Standard freely available for download from their website.

Cutting to Size

Baffle Stack rolls can easily be torn across the width by hand. Insulation lengths should be slightly oversized to ensure a tight friction fit to all surfaces.

Install to all specified areas leaving no gaps, and following the Consented and/or Building Issue plans and specifications. Off-cuts and small pieces can be used to fill small spaces.

Application Considerations

Building services, ducting, ceiling grid supports and fire control and detection devices must not be affected by the installation of Baffle Stack.

Where the ceiling plenum is used as the active air return for the HVAC system, ensure airflow is not affected by the installation of Baffle Stack.

Consult the mechanical services engineer where necessary.

Stack Installation

Premier Baffle Stack is designed to be installed as a layer stack above acoustic rated partition walls. Baffle Stack should be installed with enough compression to ensure stack stability and a tight fit to all surfaces including slab, roof or floor above. There should be no gaps through the stack.

Small pieces can be used to fill around ducting, services and structural components.

Centre the width of the Baffle Stack roll over the partition wall. Stack the layers to ensure tight fit to all surfaces, and to the specified density as required. Tear rolls to required length. Ensure insulation joins are tight and square.

Installed Baffle Stack should be even and tidy and the stack should be stable and tight to all surfaces.

A minimum gap of 100mm must be left around un-rated recessed down lights, 200mm around un-ducted vents, 75mm gap around metal heating flues and 50mm around brick/concrete chimneys.

Do not cover ceiling vents.

Refer NZS4246:2016 for further information and clearances.

COMPLETION

Check installed insulation is secure, tidy, and that all areas are insulated as specified and required. Leave work area tidy and remove unused materials and waste from site.

For future reference we recommend you secure a product label of the insulation products used in an easy to find location.

SPECIFICATIONS & TECHNICAL SUPPORT

Premier specification documents are available from our website. For specification or technical support please contact our Technical Team on 07 282 1184, or email support@tempertherm.co.nz

TemperTherm

Manufactured by PIL Group Limited

183 Great South Road,

Ngaruawahia, 3720



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