TEMPER™ CLOUD ACOUSTIC

Temper™ Cloud Polyester is proud to be 100% NZ made from lofted thermally bonded polyester fibres. The polyester is bonded using a low melt polyester providing excellent loft and durability. Temper™ Cloud Polyester is available in both blanket and segment form, additionally made to order in various widths or R-Values depending on the clients requirements of the New Zealand Building Code.

POLYESTER FEATURES & BENEFITS

- Manufactured using 100% polyester fibre made from plastic bottles
- Will not cause irritation, soft to touch and can be torn across the width
- Will create a healthier building environment and wont slump over time
- Vermin resistant
- Non-combustible and does not absorb moisture
- Will absorb noise to create a quieter environment
- 50 year durability warranty

ACOUSTIC INSULATION (STC)

Product	Stud size (mm steel)	Linings both sides (mm plaster board)	STC (Rw)	Weight (gsm)	Nominal Thickness (mm)	Width (mm)	Total coverage (m^2)	Pieces (per pack)
ACOUSTIC INSULATION BLANKETS								
Temper™ Cloud Acoustic Blankets typically used in suspended ceilings and steel framing								
Temper™ Cloud 580	64	13	41 (Rw 41)	580	60	600	30.0	2
Temper™ Cloud 750	64	13	43 (Rw 42)	750	60	600	20.0	3
Temper™ Cloud 900	64	13	48 (Rw 47)	900	90	600	20.0	3
BAFFLE STACK								
Temper™ Cloud Acoustic Blankets typically used in suspended ceilings and steel framing								
Temper™ Cloud Baffle Stack				1000	100	600	20.0	3

ACOUSTIC INSULATION (NRC)

Product	NRC	Nominal Thickness (mm)	Width (mm)	Total coverage (m^2)	Pieces (per pack)
ACOUSTIC PANELS					
Temper™ Cloud Acoustic Blankets typically used as a finished product or behind perforated panels					
Temper™ Cloud 35-25	0.70	25	1200	34.6	12
Temper™ Cloud 35-50	0.90	50	1200	17.3	6
Temper™ Cloud 35-75*	1.05	75	1200	11.5	4
Temper™ Cloud 20-100*	0.95	100	1200	8.6	3
Temper™ Cloud 40-100*	1.05	100	1200	8.6	3

**Available in white, black or white with black face*

ENVIRONMENTAL CHOICE

Initiated and endorsed by the New Zealand Government, Environmental Choice recognises the genuine moves made by manufacturers to reduce the environmental impacts of their products. Further information regarding acoustic testing, BRANZ appraisals material safety data – refer MDS section of catalogue.

Temper™ Cloud offers a full installation service nationwide.

(07) 282 1184
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TEMPER™ CLOUD POLYESTER FIRE RATING

Properties	Result	Test	Results
Combustibility	Non-Combustible		
Flammability	Non-Flammable	NA/AS 1530.3	
	Ignitability	(Range 0-20)	= 0
	Spread of Flame Index	(Range 0-10)	= 0
	Heat Evolved Index	(Range 0-10)	= 0
	Smoke Developed Index	(Range 0-10)	= 3
Corrosion Resistance	N/A		
Moisture Resistance	N/A		
Maximum Service Temperature	350°C		

PRODUCT

1.1 Temper™ Cloud Polyester Insulation is manufactured using 100% recycled polyester fibres as a thermal and acoustic insulating material for use in framed walls, ceilings, underfloors and roofs.

SCOPE

2.1 Temper™ Cloud Polyester has been developed to comply with the New Zealand Building Codes for thermal and acoustic applications in commercial and residential construction.

BUILDING REGULATIONS

NEW ZEALAND BUILDING CODE

3.1 In the opinion of BRANZ, Temper™ Cloud Insulation, is designed, used, installed and maintained in accordance with the statements and conditions of its appraisal, will meet or contribute to meeting the following provisions of the NZBC.

CLAUSE B2 DURABILITY
Performance B2.3.1 (a) not less than 50 years and B2.3.1 (b) 15 years. Temper™ Cloud Insulation will meet this requirement. See Paragraph 8.1.

CLAUSE E3 INTERNAL MOISTURE
Performance E3.3.1 Temper™ Cloud Insulation will contribute to meeting this requirement. See Paragraphs 13.1 and 13.2.

CLAUSE F2 HAZARDOUS BUILDING MATERIALS
Performance E2.3.1 Temper™ Cloud Insulation meets this requirement and will not present a health hazard to people.

CLAUSE HI ENERGY EFFICIENCY
Performance HI3.1 (a) and HI3.2 E Temper™ Cloud Insulation will continue to meeting these requirements. See Paragraphs 19.1 and 19.2.

3.2 This is an appraisal of an acceptable solution in terms of New Zealand Building Code compliance. Temper™ Cloud Insulation thermal resistance (R-value) has been determined by testing to AS/NZS 9859.1 which is an acceptable method.

TEMPER™ CLOUD INSULATION

Appraisal No. 509 (2014)
This appraisal replaces BRANZ Appraisal No. 509 (2013)
Amended 29 March 2016
BRANZ Appraisals
Technical assessments of products for building and construction

IAONZ
QUALITY PRODUCT
QUALITY TRAINING
QUALITY INSTALLATION

ALSYNITE ONE