

Fletcher Protect® Party Wall Stonewool Batts and Blanket

Fire-rated party wall insulation

Description

Fletcher Protect® Party Wall stonewool batts and blanket are constructed from non-combustible (unfaced) stone wool technology and are specifically designed for fire rated building elements, such as party or separating wall constructions between adjacent tenancies in Class 1 buildings.

Application

Fletcher Protect® Party Wall stonewool batts and blanket are intended for use where the NCC requires the use of a mineral wool to pack gaps between the top of a fire resisting, separating wall construction and the underside of a non-combustible roof membrane. Fletcher Protect® Party Wall stonewool batts and blanket should be fitted with a minimum of 20% compression leaving no voids.

All Fletcher Protect® Party Wall stonewool batts and blanket must be installed as per the architectural specification.

Product data

Product Type	Thickness mm	Width mm	Length mm	Pieces per pack	Product code
Batt	50	300 x 2	1200	8	4010579 (938020)
Batt	100	168	1200	10	4021102
Foil Faced Blanket	50	300	5000	4	4021101

Physical properties

Product	Property	Test method/standard	Result	Unit
Batt 50mm	Nominal density		40	Kg/m ³
	Thermal conductivity @ mean 23° C	ASTM C518	≤ 0.04	W/mK
	Water vapour absorption	ASTM C1104	≤ 0.04	% by volume
Batt 100mm	Nominal density		60	Kg/m ³
	Thermal conductivity @ mean 23° C	ASTM C518	≤ 0.04	W/mK
	Water vapour absorption	ASTM C1104	≤ 0.04	% by volume
Blanket 50mm	Nominal density		60	Kg/m ³
	Thermal conductivity @ mean 23° C	ASTM C518	≤ 0.04	W/mK
	Water vapour absorption	ASTM C1104	≤ 0.04	% by volume

Fire hazard properties

Fletcher Protect® Party Wall stonewool batts and blanket exhibit the following characteristics when tested in accordance with the following standards:

Property	Test method/standard	Result
Combustibility (Unfaced Stonewool component only)	AS1530.1	Non-combustible

Acoustic performance

Sound absorption

Fletcher Protect Party Wall batts achieve the following sound absorption coefficients when tested in accordance with AS ISO 354.

Product	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	NRC	α_w
Fletcher Protect® (40kg/m ³)	0.2	0.6	1.0	1.0	1.0	1.0	1.0	0.9

Health and Safety

Fletcher Insulation stonewool products are manufactured from Bio-Soluble Insulation. Refer to Fletcher Insulation SUIS for more information.

Environmental properties

Fletcher Insulation avoids the use of Ozone Depleting Potential (ODP) substances in the composition of stonewool insulation products. This allows the incorporation of environmentally preferable insulation whilst also maintaining indoor air quality. The product's chemical composition and the manufacturing of this product does not contain nor produce ozone depleting substances such as CFCs, or HCFCs. Fletcher Protect® Party Wall products do not contain asbestos.

Technical Specification

When specifying, state the following:

The insulation material shall be Fletcher Protect® Party Wall stonewool batts/blanket _____ x _____ x _____ mm (specify nominal thickness, width and length).

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