

EUROTHANE SILVER

Insulation board

January 2024

DESCRIPTION:

Eurothane Silver is an insulation board with a core of rigid polyisocyanurate foam, faced on both sides with a gastight multi-layered complex.

**PACKAGING:**

Dimensions	Eurothane Silver
Width	1200 mm
Length	600 mm, 1000 mm and 2500 mm
Thickness	30 mm - 60 mm in stock 70-100 mm on request

PRODUCTIVE R-VALUE:

Size (mm)	R-Value
50	2.25
60	2.70
81	3.65
90	4.05
100	4.50
120	5.45

TECHNICAL DATA:

Technical Characteristics	Eurothane Silver
Thermal conductivity	λ_D -value according to EN 12667: 0,022 W/mK
Core volume weight	$\pm 30 \text{ kg/m}^3$
Mechanical performance - Compressive strength with 10% deformation: - Performance under the influence of an equally distributed load: - Transformation under the influence of a load:	CS(10/Y)150 according to EN 826: $\geq 150 \text{ kPa}$ (1.5 kg/cm^2) UEAtc class C DLT(2)5 according to EN 1605: 40 kPa, at 70°C during 168 hours: $\leq 5\%$
Vapour diffusion resistance number μ of the PIRfoam	50-100
Facing	Gastight multi-layered complex
Tensile strength perpendicular to surface	TR80 according to EN 1607 $\geq 80 \text{ kPa}$
Long-term water absorption WL(T)2 according to EN 12087	$< 2\%$
Fire behaviour	- A1 according to RD 19/12/1997 - Euroclass B s2 d0 (end use steel deck) - Euroclass F according to EN 13501-1 - Class 1 according to BS 476 Part 7
Dimensional stability DS(TH)8 according to EN 1604 - Humidity test 48 hours: - Change in length: - Change in width: - Change in thickness:	70°C, 90% RH $\leq 2\%$ $\leq 2\%$ $\leq 6\%$

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CERTIFICATES AND STANDARDS:

EN 13165

The production of these boards is certified according to ISO 9001:2000

SCOPE OF USE:

Eurothane Silver is used in Equus SOPREMA Warm Roof and Deck systems, installed over a vapour barrier and underneath a waterproofing membrane system. Eurothane Silver boards are either mechanically fastened, or adhered with an approved PU Foam to the roofing substrate and can be overlaid with a roof cover board. Eurothane Silver is available in flat or tapered boards for design flexibility.

It is suitable for new builds and refurbishments, residential and commercial construction, in any location or wind zone in New Zealand (determined by project specific wind uplift calculations).

Suitable for other applications with written approval by Equus Industries Ltd.

CONDITIONS OF USE:

Eurothane Silver must be covered by a specified waterproofing membrane system. Written approval is required for this product to be in a system not outlined in the standard Equus specifications.

The product must be installed by a Certified Equus Applicator. Verification of their status can be confirmed by a current applicator certificate or by contacting Equus Industries Ltd. Any installation must be done in accordance with the latest specifications and technical documentation, or with written approval by Equus Industries Ltd.

BUILDING CODE COMPLIANCE:

B2 Durability - B2.3.1 (b), Eurothane Silver has a durability of at least 15 years when installed with the correct specification, installation and maintenance. BRANZ Appraisal No. 1169.

E3 Internal moisture - E3.3.1 Eurothane Silver provides habitable buildings with adequate thermal resistance and R-values that are equal to or above those specified in E3/AS1. See BRANZ Appraisal No. 1169.

F2 Hazardous building materials - F2.3.1 Well known experience with the type of materials used together with in-service history, show that Eurothane Silver complies with this performance requirement. Refer to SDS at www.equus.nz

H1 Energy Efficiency - H1.3.1 (a) Eurothane Silver provides the building with adequate thermal resistance and R-values that are equal to or above those specified in H1/AS1 and H1/AS2. See BRANZ Appraisal No. 1169.

SUPPORTING DOCUMENTATION:

Title (type)	Version	URL
BRANZ Appraisal No. 1169	02 November 2022	https://www.equus.nz/content/reports/branz-appraisal-warmroof-1169.pdf

STORAGE:

Do not throw, use shockproof transport. Must be stored in dry conditions and protected from direct weathering.

WARNINGS AND BANS:

Is the building product/building product line subject to warning or ban under section 26 of the Building Act 2004?	No
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MANUFACTURERS CONTACT DETAILS:

Manufacture location	
Legal and trading name of manufacturer	
Manufacturer address for service	
Manufacturer website	
Manufacturer email	
Manufacturer phone number	
Manufacturer NZBN	

Title (type)	Version	URL
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