

Xtratherm Xtroliner Std

ENHANCED PIR INSULATION BOARD

PRODUCT DESCRIPTION

Xtratherm Xtroliner Std is a high performance insulation that achieves significant thermal performance in a slimline, rigid board profile. Xtratherm Xtronliner Std's special inner core is an advanced thermoset polyisocyanurate (PIR) foam which is sandwiched between two layers of embossed aluminium foil facings.

The Xtratherm Xtronliner Std's PIR products provide a modern thermal insulation solution for commercial and residential building envelopes. Xtratherm Xtronliner Std's high thermal performance, slimline profile combined with compressive strength, allows it to be efficiently designed into a building as a continuous thermal barrier across various roof, wall and floor elements.

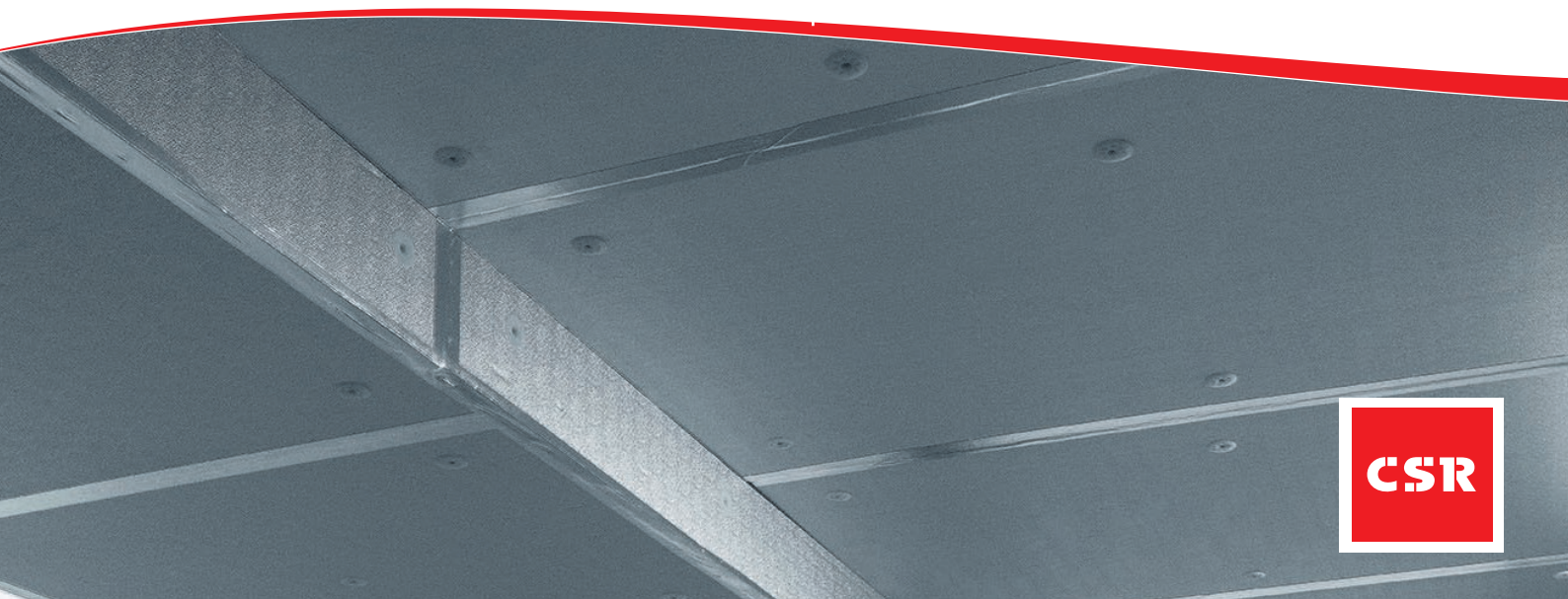
INSTALLATION GUIDANCE

- **Cutting** - Xtratherm Xtronliner Std boards can be readily cut using a sharp knife or a fine toothed saw. Ensure tight fitting of the insulation boards to achieve continuity of insulation.
- **Joints** - It's good practice to seal Xtratherm Xtronliner Std board joints with an approved aluminium foil tape. Sealing joints controls moisture and smoke penetration, improves the airtightness of the building envelope and assists in providing a consistent finish in exposed applications.
- **Taping Joints** - Surface preparation is always required when taping. All surfaces must be clean, sound and free of dust and contaminants. If taping surface needs to be cleaned we recommend cleaning the surface with a white spirit.
- **Durability** - Xtratherm Xtronliner Std products are dimensionally stable, rot proof and will remain effective for the life span of the building, dependent on specification and installation. Care should be taken to avoid contact with acids, petrol, alkalis and mineral oil, when contact is made, clean materials in a safe manner before installation. Solvent based adhesives containing methyl ethyl ketone, should not be used.
- **Corner and Perimeter** - When the boards abut with other non combustible construction elements it is recommended to support board's edge using min. 25mm x25mm light weight metal angle fixed to wall perimeter. For fully lined rooms, corner surfaces and cornice, it is recommended to support board edge using light weight metal angle with a minimum 25mm return fold. For applications not requiring AS ISO9705 compliance, a low modulus mastic sealant can be used in these corners and cornice edges.
- **Packaging** - Xtratherm Xtronliner Std is wrapped in polythene packs and each pack is labelled with details of the product, size, number of pieces per pack and the material R-value.
- **Storage** - Xtratherm Xtronliner Std should be stored off the ground on a clean flat surface. Xtratherm Xtronliner Std must be stored undercover. The polythene wrapping is not considered adequate protection for outside exposure.
- **Application Installation Instructions** - Detailed application installation instructions can be obtained from the Bradford technical services team.

COMPLIANCE

Xtratherm Xtronliner Std has been tested and certified to Australia & New Zealand Standards 4859.1 and offers the following features:

- Thermal Conductivity of 0.022 W/mK
- Material R-values up to R5.45 at 120mm
- Compressive strength of 125 kPa
- High grade aluminium foil facings with emittance E0.03
- HCHC and CFC Free - zero ozone depletion potential
- Manufactured under ISO 14001 Environmental Management
- Manufactured under ISO 9001 Quality Management Systems
- Manufactured under OHSAS 18001 Occupational Health & Safety



Xtratherm Xtroliner Std – Enhanced PIR Insulation Board

FIRE PERFORMANCE

Test	Standard	Result
Ignitability	AS/NZS 1530.3	0
Spread of flame	AS/NZS 1530.3	0
Heat evolved	AS/NZS 1530.3	0
Smoke developed	AS/NZS 1530.3	1
Corner Fire Test	AS ISO 9705 - Annex G.1 3 x walls and ceiling installation	Group 3



Concrete Soffit

PRODUCT TEST DATA

Characteristic	Result	Test Method
Compressive Strength	>125 (kPa)	EN826
Thermal Conductivity	0.022 (W/mK)	ASTM C518-10
Service Temperature	-20 to +100 (°C)	EN 14706
Emissivity	E0.03 (foil facer)	EN 15976



Concrete Wall

ENVIRONMENTAL INFORMATION

The Xtratherm XtroLiner Std range is HCHC free, CFC free and has zero ozone depletion potential (ODP). The Xtratherm range of products have been assessed under the BRE Environmental Profiles Methodology to achieve Green Guide rating of A+ or A giving independent certification of the products low environmental impact, and achieving the highest score available under Credit 1 of BREEAM. BREEAM also awards credits for the responsible sourcing of materials under ISO 14001 from the insulation manufacturer and their immediate suppliers.

SPECIFICATION

Product	Thickness (mm)	Material R-Value	Standard Size (mm x mm)	Sheet Size (m ²)	Sheets Per Pack	Pack Size (m ²)	CSR Product Code
Xtroliner Std	25	1.10	2270 X 1200	2.72	12	32.69	127318
Xtroliner Std	30	1.35	2270 X 1200	2.72	10	27.24	130313
Xtroliner Std	40	1.80	2270 X 1200	2.72	7	19.07	130314
Xtroliner Std	50	2.25	2270 X 1200	2.72	6	16.34	127332
Xtroliner Std	60	2.70	2270 X 1200	2.72	5	13.62	127333
Xtroliner Std	70	3.15	2270 X 1200	2.72	4	10.90	130315
Xtroliner Std	75	3.40	2270 X 1200	2.72	4	10.90	130316
Xtroliner Std	80	3.60	2270 X 1200	2.72	4	10.90	130317
Xtroliner Std	90	4.05	2270 X 1200	2.72	4	10.90	130318
Xtroliner Std	100	4.55	2270 X 1200	2.72	4	10.90	130319
Xtroliner Std	120	5.45	2270 X 1200	2.72	3	8.17	135076

Minimum order quantities and extended lead times may apply – please contact your local Bradford representative for further details.



CSR Bradford
Locked Bag 1345 North Ryde BC NSW 1670
csrbradford.com.au
Email: bradfordenquiries@csr.com.au

For further information
call **1300 850 305** or
visit bradfordxtratherm.com.au

CSR Bradford is a business division of CSR Building Products Limited ABN 55 008 631 356

The contents of this brochure are copyright protected and may not be reproduced in any form without prior written consent of CSR Bradford. Recommendations and advice regarding the use of the products described in this brochure are to be taken as a guide only, and are given without liability on the part of the company or its employees. We reserve the right to change product specifications without prior notification, please refer to the CSR Bradford website for the latest revision of this document. The purchaser should independently determine the suitability of the product for the intended use and application.

CSR