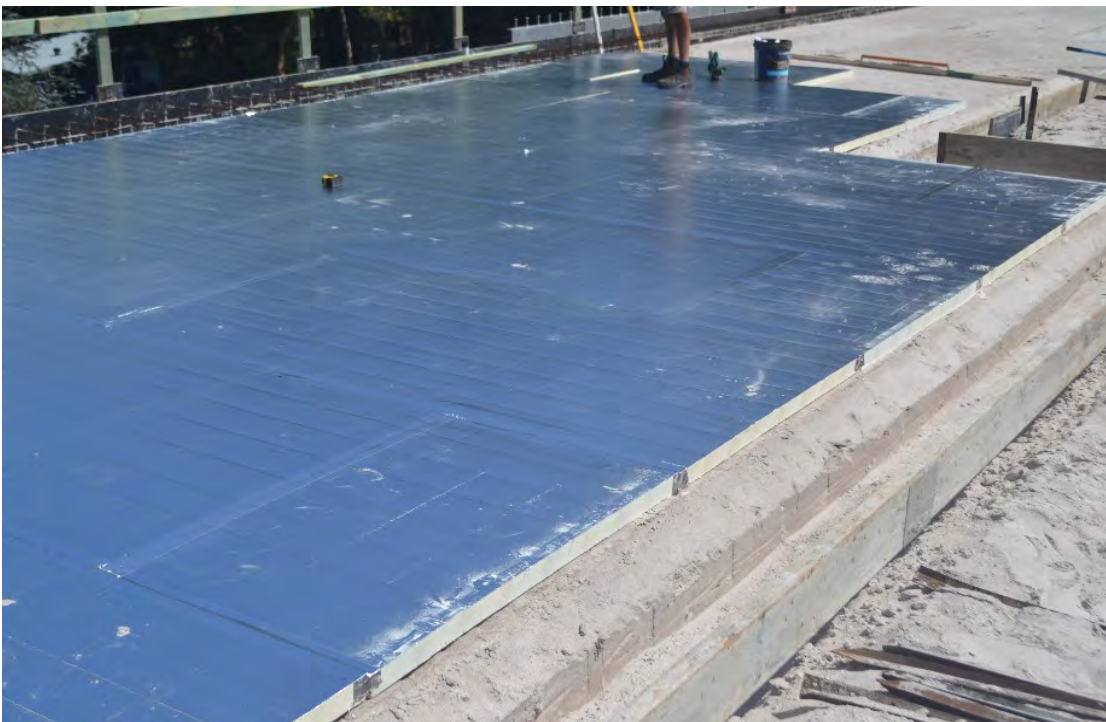


CI MAX for Slab to Ground & Subfloor Applications



DESCRIPTION

CI Max™ is composed of a uniform closed-cell polyisocyanurate foam core bonded on each side to a printed foil and glass mat facer. CI Max foam sheathing is produced with a non-HCFC blowing agent, meeting the latest environmental regulations for using chemicals that do not harm the protective ozone layer in the earth's atmosphere. CI Max foam sheathing passed NFPA 286 Corner Burn Test for walls only or ceiling only without joint treatment, meeting all necessary building codes both in Australia, Europe, and in the USA.

USE

CI Max, due to the high compressive resistance ASTM D 1621 and low water absorption rate of not greater than 0.3% in accordance with ASTM C272 is suitable for slab to ground applications. When used on the footing and between the slab and the foundation wall under a concrete slab in below grade applications for thermal insulation, CI Max is also suitable in subfloor applications installed between floor joists and across subfloor joists.

Product Testing

Test	Test Standard	Result
Compressive Strength	ASTM C1289-12	>110 Pass
Thermal Conductivity	ASTM C518-10	0.22
Cone Calorimeter	AS/NZS 3837	Group 1
Ignitability		
Flame Spread	AS/NZS 1530.3	0/0/0/1
Heat Release		
Smoke		
Emittance	ASTM C1371	Reflective E0.04
Water Absorbtion	ASTM C1289-12	0.1 Pass
Water Vapour Permeance 25mm	ASTM C1289-12	3 Pass
Corner Burn Test	NFPA 286	Pass
Service Temperature	Above Test	-73°C to 122°C
Full Room Cnr Burn Test	ISO9705	Group 1 (Ceiling only) Group 3 (Ceiling & Walls)
VOC Emissions from Building Products	CDPH/EHLB/Standard Method V1.1 (Section 01350)	Meets acceptance criteria for individual VOC's of concern



Product Information

Product Thickness mm	25, 27, 31, 42, 51, 55, 66, 77, 88, 99
Board Size – Length mm	2286
Board Size – Width mm	1219
Reflectance (Foil Side)	96%
	25mm R1.14
	27mm R1.2
	31mm R1.4
	42mm R1.9
'R' Value	51mm R2.35
	55mm R2.5
	66mm R3.0
	77mm R3.5
	88mm R4.0
	99mm R4.5

Storage

Must be kept dry and indoors.

CI Max must be protected from outside elements, wind, rain and direct sunlight.

Environmental and Formaldehyde Free Statement

In keeping with Thermacon Insulation's dedication to supplying only the best Formaldehyde Free products, our CI Max Boards do not contain any measurable levels of Formaldehyde.

The following is an extract from a report written by four research scientists of Dow Chemical Company, Midland MI, USA in to comparison between Phenolic Foam and Polyisocyanurate Foam (PIR):
Formaldehyde:

"Liquid chromatography (LC) was used to determine the amount of unreacted formaldehyde monomer remaining in the Phenolic foam samples. The total residual formaldehyde found in both phenolic foam samples ranged from 137-264 PPM.

As a comparison, the raw materials used to produce PIR do not measure a reportable level of formaldehyde"

CI Max is produced with an EPA compliant hydrocarbon-based blowing agent which has a zero Ozone Depletion Potential (ODP) and virtually no Global Warming Potential (GWP). It meets CFC and HCFC free specification requirements.

