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Friday, 14 February 2014

Mr Don Muir
Tridek Contemporary Roofing
PO Box 932
Bayswater,
Victoria, 3153.

Dear Mr Muir

**DESIGN CERTIFICATION (14-7110)
PLASTERBOARD CEILING ATTACHMENT TO TRIDEK PANELS**

We, Summermore Pty Ltd, being Registered Structural and Civil Engineers, hereby certify that plasterboard ceilings may be attached to the bottom skin of Tridek Insulated Roof Panels within the following limitations.

1. The ceiling system weights considered are 14 kg/m², 20 kg/m², and 65 kg/m²
2. The design wind classifications considered are N1 to N3.
3. The plasterboard span shall not exceed 600mm.
4. The bracket fixing to the bottom skin of the Tridek Insulated Panel shall be at least 0.75BMT(G300).
5. The screws used shall be 2 / 10g screws per bracket minimum.
6. The following table shows the maximum tributary area per bracket.

Plasterboard Ceiling fixed to Tridek Panels		
Screw Fixing		
	Maximum Tributary Area (m ²)	
Weight of Ceiling	10g Screws	12g Screws
14kg / m ²	2.85	3.55
20kg / m ²	2.00	2.48
65kg / m ²	N/S	N/S

Referenced Codes of Practice and Manuals

Tridek Construction Manual

National Construction Code of Australia 2013

AS/NZS 1170.0:2002 Structural Design Actions Part 0—General Principles

AS/NZS 1170.1:2002 Structural Design Actions Part 1—Permanent, Imposed & Other Actions

AS3566.1:2002 Self Drilling Screws

AS 3623:1993 Domestic Metal Framing

AS4055:2006 Wind Loads for Housing

AS4100:1990 Steel Structures Code

AS/NZS 4600:2005 Cold Formed Steel Structures

Summermore Pty Ltd accepts no responsibility for information that has not been expressly identified as part of this certification.

If we can be of any further assistance in this matter, please do not hesitate to contact this office.

Yours Faithfully

Ronald Bell

Grad Cert (Tech Mgt), BEng Civil (Hons), PEng, MIEAust (891940), RPEQ (6715), RBP(Vic)(EC27967), RBP(NT)(60596ES), RBP(Tas)(CC5556C), MAIB (9225), JP(Qual).

Director

Summermore Pty Ltd



The Institution of Engineers, Australia



REGISTERED
Building Practitioner

