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Job 530i1

Australian Thermal Insulation Manufacturers Pty Ltd
1/13 Meakin Road
Meadowbrook QLD 4131

Attention: Mr Kevin Lee, phone: 07 3129 9389

CERTIFICATION OF "REFLECTA UNDERSLAB PLUS™"

I have examined independent test documents (Report # 12536 CSIRO Falling Aggregate / WVTR, Report # 12502 Thickness, and Report # 12536 Falling dart) from CSIRO and ExcelPlas laboratories of samples of the above product identified in test reports as "ATIM Sample ID WB 0.2"

The testing methods below were used to determine whether the product complies with the product standard AS 2870.

1. Product Name: UNDERSLAB PLUS™

2. Product Standard

2.1 AS 2870 – 5.3.3.3 (a) – Film Thickness

2.2 AS 2870 – 5.3.3.3 (b) (ii) – Impact Resistance

2.3 AS 2870 – 5.3.3.3 (c) – Resistance to Puncture and Moisture Penetration

3. Standard Criteria

3.1 5.3.3.3 (a) – $180\mu\text{m} \leq \text{Mean Average Thickness} \leq 220\mu\text{m}$

3.2 5.3.3.3 (b) (ii) – Pass Rate $\geq 75\%$

3.3 5.3.3.3 (c) – Vapour Permeance $< 0.02\text{mg/N.s}$ and No Penetration

4. Testing Method

4.1 AS/NZS 4347.9 – Film Thickness

4.2 AS/NZS 4347.6 – Impact Resistance

4.3 CSIRO Method – Resistance to Puncture and Moisture Penetration

5. Testing Result & Standard Compliance

5.1 Thickness

5.1.1 The result of the mean thickness is $202\mu\text{m}$, which meets the criteria in AS 2870 – 5.3.3.3 (a)

5.2 Impact Resistance

5.2.1 The result of the testing pass rate is greater than or equal to 75%, which meets the criteria in AS 2870 – 5.3.3.3 (b) (ii)

5.3 Resistance to Puncture and Moisture Penetration

5.3.1 The result of the mean vapour permeance is 1.72E-06 mg/N.s (0.00000172 mg/N.s), which meets the criterion in AS 2870 – 5.3.3.3 (c)

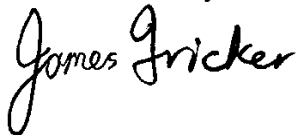
5.3.2 The result of the penetration is No ink penetration observed, which meets the criterion in AS 2870 – 5.3.3.3 (c)

As a consequence, I hereby certify identical "REFLECTA UNDERSLAB PLUS™" product is compliant with AS2870.

For use under concrete slabs installed on hollow pods, I also certify that REFLECTA UNDERSLAB PLUS™ can enhance pod thermal resistance when it is installed to have a reflective air cavity between it and the pod.

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Yours sincerely,



JAMES M FRICKER

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