

# AWTA PRODUCT TESTING

Australian Wool Testing Authority Ltd - trading as AWTA Product Testing

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## TEST REPORT

**Client :** Pirmax Pty Ltd  
9/170 Boundary Road  
Braeside VIC 3195

**Test Number :** 17-000712  
**Issue Date :** 9/03/2017  
**Print Date :** 13/04/2017

**Sample Description** Clients Ref : "Foil Sample"  
Foil embossed sheet  
Colour : Silver  
End Use : Insulation  
Nominal Composition : Aluminium

**ASTM E 408-71**  
**(Reapproved 2008)**  
**Method A**

**Standard Test Methods for Total Normal Emittance of Surfaces using Inspection - Meter Techniques**

Face tested	Silver face	Reverse face
Infrared Reflectance Measured	0.97	0.95
Near-Normal Emittance Value Calculated	0.03	0.05
Number of measurements	4	4

Near-Normal Infrared reflectance measurements were performed in accordance with ASTM E408, Method A. A Gier Dunkle Instruments Infrared Reflectometer Model DB100 was utilized for the measurements.

Near-Normal Emittance for the clients specimens was calculated from Kirchhoffs Relationship where:  $\rho + \alpha + \tau = 1$ ,  $\alpha = \epsilon$

Since the specimens have no transmittance in the far infrared, the preceding equation reduces to:  $\rho + \epsilon = 1$  and  $1 - \rho = \epsilon$

Tested by DSET Laboratories - Phoenix, Arizona USA

88097

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Samples, and their identifying descriptions have been provided by the client unless otherwise stated. AWTA Ltd makes no warranty, implied or otherwise, as to the source of the tested samples. The above test results relate only to the sample or samples tested. The above test results are designed to provide THE CLIENT WITH GUIDANCE INFORMATION ONLY.

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APPROVED SIGNATORY

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