



20 March 2019

**Alucushion Thermal Insulation (Pty) Ltd**

**PO Box 912717**

**Silverton**

**0127**

**Attention: Bryn Doherty**

Good day Bryn,

**RE: Thermal Conductivity Test**

1. The tests were conducted on a calibrated LaserComp Fox 314 guarded hotplate apparatus in accordance with SANS 1381-4:2013.
2. The sample was tested "as new" (not coated with grey paint to simulate accumulation of dust).
3. The sample was tested with a 40 mm air gap above the sample ("hot" side), and a 60mm air gap below the sample ("cold" side).
4. The test was conducted at 36°C (hot plate) and 10°C (cold plate) with a downward heat flow.
5. The reported R-value is the "system" R-Value, inclusive of the air gaps.

**6. Test Results:**

<b>Sample Description</b>	<b>Thermal Conductivity (W/m.K)</b>	<b>System R-Value (m<sup>2</sup>.K/W)</b>
Alufoil FR 450 Heavy Industrial	0.06692	1.4943
FR 450 2 <sup>nd</sup> Sample	0.06704	1.4916

Please contact me should you require more information.

Regards

Hardus vd Westhuizen