

**Laboratory** Thermal Insulation Lab of Isolloyd Engineering Technologies Ltd.,  
Village Kishanpura, Baddi - Nalagarh Road, P.O. Gurumajra, Tehsil-  
Nalagarh, Distt. Solan, Himachal Pradesh

**Accreditation Standard** ISO/IEC 17025: 2005

**Discipline** Thermal Testing **Issue Date** 20.01.2015

**Certificate Number** T-1370 **Valid Until** 25.11.2016

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S.No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
<b>I. THERMAL INSULATING MATERIAL</b>				
1.	Ceramic Fibre and products thereof	Linear Shrinkage	IS 14656: 1999 (RA 010) BS 1902-6:1986 (RA 2009)	Upto 1400 °C
2.	Ceramic Fibre and products thereof	Thermal Conductivity	IS 3346: 1980 (RA 2010)	100 °C to 600 °C mean temp. K-value range 0.01 to 1 W/mK
3.	Rock Wool Slab	Thermal Conductivity	IS 3346: 1980 (RA 2010)	100 °C to 600 °C mean temp. K-value range 0.01 to 1 W/mK
<b>II. RIGID CELLULAR MATERIAL</b>				
1.	Polyurethane Foam (PUF)	Dimensional Stability	IS 11239 (Part 3): 2009	(-)40 °C to 199 °C
2.	Poly Isocynaurate (PIR)	Dimensional Stability	IS 11239 (Part 3): 2009	(-)40 °C to 199 °C
3.	Polyurethane Foam (PUF)	Thermal Conductivity	ASTM C518:2010 / ISO 8301 (Rev.01): 1991	Max mean temp. 60°C K-value range 0.015 to 0.5 W/mK
4.	Poly Isocynaurate (PIR)	Thermal Conductivity	ASTM C518:2010 / ISO 8301:1991(Rev.01)	Max mean temp. 60°C K-value range 0.015 to 0.5 W/mK
5.	Polyurethane Foam (PUF)	Water Vapour Permeability	BS 4370-2:1993(RA June 2007) IS 11239 (Part 4): 1985 (RA Feb 2011)	Temp 20°C – 60°C Humidity 50 % to 99 %

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