

**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** Mechanical Testing **Issue Date** 20.01.2015

**Certificate Number** T-1369 **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. SOIL &amp; ROCK</b>				
1.	<b>Silica Sand</b>	Sieve Analysis	IS 2386 (Part 1): 1963 (RA 2011)	0 to 100 % 600 μ to 150 μ
2.	<b>Alumina</b>	Sieve Analysis	IS 2386 (Part 1): 1963 (RA 2011)	0 to 100 % 600 μ to 150 μ
3.	<b>Zircon Sand</b>	Sieve Analysis	IS 2386 (Part 1): 1963 (RA 2011)	0 to 100 % 600 μ to 150 μ
<b>II. BUILDING MATERIALS</b>				
1.	<b>Ceramic Fibre and products thereof</b>	Bulk Density	IS 14656: 1999 (RA 2010)	1 kg/m <sup>3</sup> to 500 kg/m <sup>3</sup>
		Shot Content	IS 14656: 1999 (RA 2010) ASTM C1335-2012	1 % to 50 %
		Tensile Strength	IS 14656: 1999 (RA 2010) BS 1902-6:1986 RA Dec. 2009	0.1 N to 500 N
		FibreDia	IS 14656: 1999 (RA 2010) IS 3144: 1992(RA 2011)	1 μm to 50 μm
2.	<b>Rock Wool Slab</b>	Bulk Density	IS 3144: 1992(RA 2011)	1 kg/m <sup>3</sup> to 500 kg/m <sup>3</sup>
		Shot Content	IS 14656:1999 (RA 2010) ASTM C1335-2012	1 % to 50 %
		Fibre Diameter	IS 14656: 1999 (RA 2010) IS 3144:1992(RA 2011)	1 μm to 50 μm

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<b>III. PLASTICS, RUBBER AND LEATHER</b>				
<b>1.</b>	<b>Methyl Di- isocyanate (MDI)</b>	Specific Gravity	ASTM D4669-2007	1 to 2
		Viscosity	ASTM D4878-2008 ASTM D4889-2004	100 cps to 80000 cps
<b>2.</b>	<b>Polyol</b>	Specific Gravity	ASTM D4669-2007	1 - 2
		Viscosity	ASTM D4878-2008 ASTM D4889-2004	100 cps to 80000 cps
<b>3.</b>	<b>Polyurethane Foam (PUF)</b>	Density	IS 11239 (Part 2): 2009	30 kg/m <sup>3</sup> to 500 kg/m <sup>3</sup> Laod (5000 kg)
		Compressive Strength	IS 11239 (Part 11): 1985 BS 4370-1:1988 (RA Aug. 1996)	0.01 N to 50 kN Laod (5000 kg)
		Flexural Strength (CBS)	IS 11239:1985 (Part 10) BS 4370-4:1991 (RA Nov. 2008)	0.01 N to 50 kN Laod (5000 kg)
		Tensile Strength	BS 4370-2:1993 (RA June 2007)	0.01 N to 50 kN Laod (5000 kg)
<b>4.</b>	<b>Poly Iso-cynaurate (PIR)</b>	Density	IS 11239 (Part 2): 2009	0 to 500 kg/m <sup>3</sup>
		Compressive Strength	IS 11239 (Part 11): 1985 BS 4370-1:1988 (RA Aug. 1996)	0.01 N to 50 kN Load (5000 kg)
		Flexural Strength (CBS)	IS 11239 (Part 10): 1985 BS 4370-4:1991 (RA Nov. 2008)	0.01 N to 50 kN Load (5000 kKg)

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	<b>Poly Iso-cynaurate (PIR)</b>	Tensile Strength	BS 4370-2:1993 (RA June 2007)	0.01 N to 50 kN Load (5000 kKg)
5.	<b>Ceramic Fiber Vacuum Board</b>	Compressive Strength At 10% Deformation At 25% Deformation	IS 11239 (Part 11):1985 (RA May 2008) BS 4370-2:1993 (RA June 2007)	0.01 N to 50 kN load (5000 kg)
		Flexural Strength	IS 11239 (Part 10):1985 (RA May 2008)	0.01N to 50 kN load (5000 kg)

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