

Laboratory International Testing Centre, Plot No. 86, Industrial Area, Phase-I, Panchkula

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 12.01.2013

Certificate Number T-1409 **Valid Until** 11.01.2015

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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
1.	Common Building Bricks IS 1077: 1992	Dimensions	IS 1077:1992	1 to 300 mm
		Length		
		Width		
		Height		
Heavy Duty Burnt Clay Building Bricks IS 2180: 1988	Compressive Strength	IS 3495 (Part-1) : 1992	1 to 50 N/mm ²	
	Water Absorption	IS 3495 (Part-2) : 1992	1 to 20%	
	Efflorescence	IS 3495 (Part-3) : 1992	Qualitative	
Burnt Clay Fly Ash Building Bricks IS 13757: 1993	Bulk Density	IS 2180 : 1988	1 to 50 g/mm ²	
2.	CEMENT CONCRETE FLOORING TILES IS 1237:1980	Dimensions	IS 1237:1980	1 to 300 mm
		Length		
		Width		
		Height		
		Thickness of wearing layer	IS 1237:1980	1 to 12 mm
		Flatness of Surface	Appendix-A, IS 1237:1980	0.1 to 1 mm
		Perpendicularity	Appendix-B, IS 1237:1980	0.1 to 2 %
		Straightness	Appendix-C, IS 1237:1980	0.1 to 2 %
		Water Absorption	Appendix-D, IS 1237:1980	1 to 10 %
		Wet Transverse Strength	Appendix-E, IS 1237:1980	1 to 10 N/mm ²
Resistance to Wear	Appendix-F, IS 1237:1980	0.1 to 5 mm		

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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
3.	CHEQUERED CEMENT CONCRETE TILES IS 13801:1993	Dimensions	IS 13801:1993	1 to 300 mm
		Length		
		Width		
		Height		
		Thickness of wearing layer	IS 13801:1993	1 to 12 mm
		Flatness of Surface	Appendix-B, IS13801:1993	0.1 to 1 mm
		Perpendicularity	Appendix-C, IS13801:1993	0.1 to 2 %
4.	HIGH-STRENGTH DEFORMED STEEL BARS & WIRES IS 1786:2008 HOT ROLLED LOW, MEDIUM AND HIGH TENSILE STRUCTURAL STEEL IS 2062:2011	Straightness	Appendix-D, IS13801:1993	0.1 to 2 %
		Water Absorption	Appendix-E, IS13801:1993	1 to 10 %
		Wet Transverse Strength	Appendix-F, IS13801:1993	1 to 10 N/mm ²
		Resistance to Wear	Appendix-G, IS13801:1993	0.1 to 5 mm
		Tensile Strength	IS 1608:2005	0.1 to 1000 kN
		Yield Stress	IS 1608:2005	0.1 to 1000 kN
		Elongations	IS 1608:2005	0.1 to 1000 kN
		Mass	IS 1786:2008	1 g to 30 kg
		Freedom from Defects	IS 2062:2011	Qualitative

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