

RAMCO
 **HICEM**
Fibre Cement Tiles



MARINA



VALLEY VIEW



CEDAR

Ramco Hicem Fibre Cement Tiles offer excellent choices for grid suspended ceilings laid through an exposed grid system. These tiles come in different textures - Marina, Valley View, Cedar, which will increase the aesthetic appeal of your interiors. These tiles offer better thermal insulation properties and helps you minimize power consumption.

Sizes Available in (Length x Width)	
L 595 mm x W 595mm	L 610 mm x W 610 mm
L 1195 mm x W 595 mm	L 1220 mm x H 610 mm
Thickness 4 & 6 mm	



Fire Resistant



Water Resistant



Termite Resistant



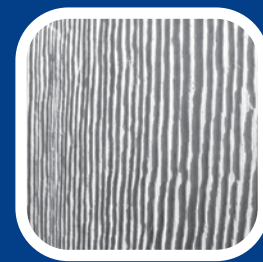
100% Asbestos Free



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▲ Offices



▲ Residential



▲ Commercial Units



▲ Industrial Units

SPECIFICATIONS

PROPERTIES	UNIT	STANDARD	VALUES
Dimensional Characteristics:			
Thickness	mm	IS 14862:2000 & BS EN 12467	4, 6, 8, 9, 10, 12, 16 and 18
Nominal Length	mm		595, 610, 1195, 1220, 1830 and 2440
Nominal Width	mm		595, 610 and 1220
Mechanical and Physical Characteristics:			
Apparent Density (Dry)	Kg/m ³	IS 14862:2000 & BS EN 12467	>1200
Modulus of Rupture (EMC)	MPa		14 - Parallel, 8 - Perpendicular
Impact Strength	J/m ²	-	>2100
Compressive Strength	MPa	ASTM D1037	>30
Tensile Strength	MPa		20 - Parallel, 18 - Perpendicular
Screw Withdrawal Strength	N	IS:2380 Part XIV	>1800
Moisture Content (EMC)	%	Ambient	<12
Chemical Characteristics:			
Alkalinity	pH	-	8 - 9
Acoustic Characteristics:			
Acoustic Insulation (Single Board)	dB	IS:9901:Part 3:1981	6-32 & 18-34
Acoustic Insulation (Partition System)	dB	ASTME 413	STC 48 - 52*
Thermal Characteristics:			
Thermal Conductivity	W/m-K	ASTM C177 and ISO 8302	0.18
Fire Characteristics:			
Combustibility	-	BS 476:Part 4:1970	Non-combustible
Ignitability	-	BS 476:Part 5:1979	'P' Not Easily Ignitable
Fire Propagation Index	-	BS 476:Part 6:1989	I = 0.7
Surface Spread of Flame	-	BS 476:Part 7:1997	Class - 1
Flame Spread Index (FSI)	-	ASTME84	0
Smoke Developed Index (SDI)	-		30
Fire Resistance*	-	BS 476 Part 20 & 22	120 min
Durability and Aging Characteristics:			
Water Impermeability	-	BS EN 12467	Passes
Freeze Thaw Test	-		Passes
Warm Water	-		Passes
Soak Dry	-		Passes
Heat Rain	-		Passes
Environmental Friendly Characteristics:			
Mould/Fungal Growth	-	IS 4873	Free from Fungal Growth
Termite Resistance	-	IS 4833	No Termite attack
Borer Resistance	-	IS 4873	No Borer Attack
VOC Organic Emission	-	ISO-16000-6	Not Detected
Asbestos Identification	-	X ray Diffraction Method	Free from Asbestos

*Based on system design

RAMCO SmartBuild

T e c h S e r v i c e s

Ramco SmartBuild is an end-to-end
Service and Solutions initiative for Dry Construction



Design & Material
Consultancy



Project Execution



Site Quality
Assurance



Training in Dry
Construction methods

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IS: 14862: 2000



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