

# Test Results of ASTA Decoration Board

Technical Data		Unit	Test Result	Description
Appearance		-	No Detects	KS F 3504:2007
Length and Breadth		mm	2400mmX900mm	
Weight		kg	about 13.7	
Thickness		mm	10 and below	KS F 3504:2007
Bending Breaking Load(Length)		N	above 432	KS F 3504:2007
Bending Breaking Load(Width)		N	above 165	KS F 3504:2007
Water Content Rate		%	below 0.2	KS F 3504:2007
Thermal Resistance		m <sup>2</sup> -K/W	above 0.085	KS F 3504:2007
Reaction to Fire Test		-	Semi Non-combustibility	KS F 3504:2007
Reaction to Water Test			Excellently Waterproof	
Core Hardness		N	above 134	ASTM C 473
End Hardness		N	above 136	ASTM C 473
Edge Hardness		N	above 135	ASTM C 473
Nail Pull Resistance		N	above 294	ASTM C 473
Humidified Deflection		mm	below 4.4	ASTM C 473
Heat Release Rate Test	Total Heat Release Rate	MJ/m <sup>2</sup>	below 5.18	KFI Certification No.: FSMID 07-74 Performance Criterion; 8MJ/m <sup>2</sup> ↓
	Maximum Heat Release Rate	sec	0	KFI Certification No.: FSMID 07-74 Performance Criterion; 10.0sec↓
	Harmful Crack, Melting, Structural Collapse	-	Nothing	KFI Certification No.: FSMID 07-74 Performance Criterion; Nothing
Noxious Gas Test	Average Deed Stopping Time	min:sec	12min:36sec	KFI Certification No.: FSMID 07-74 Performance Criterion; 9min↑
T-VOC Emission		mg/m <sup>2</sup> ·h	below 0.020	Ministry of Environment 2008-73 Performance Criterion; 4mg/m <sup>2</sup> ·h↓
HCHO Emission		mg/m <sup>2</sup> ·h	below 0.005	Ministry of Environment 2008-73 Performance Criterion; 1.25mg/m <sup>2</sup> ·h↓