

TYPE OF REPORT : Technical specification for SmartBoard

TEST METHOD : The testing procedures follow the International Standard (ISO), the American Society of Testing and Materials (ASTM), Japanese Industrial Standard (JIS) or SFCC standard (In-house method):

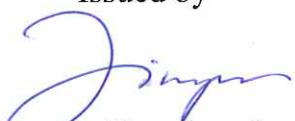
- ISO 8336 : Fibre – cement flat sheets
- ASTM C 1185 : Sampling and Testing Non-Asbestos Fiber-Cement Flat Sheet, Roofing and siding Shingles and clapboards
- JIS A 5420 : Fibreboards

SMARTBOARD TECHNICAL SPECIFICATION

No.	Property	Unit	Standard	SmartBoard
1	Thickness	mm	ASTM C 1185	6.0 ± 0.5 mm 9.0 ± 0.6 mm 12.0 ± 0.8 mm 18.0 ± 1.0 mm
2	Squareness of edges (The difference of the length of diagonals)	%	ASTM C 1185	≤ 0.15% of the longer length of the diagonal.
3	Modulus of Rupture (Equilibrium condition)	N/mm ²	ASTM C 1185	17.5
4	Modulus of Elasticity (Equilibrium condition)	N/mm ²	ASTM C 1185	4,500
5	Water Permeability	-	ISO 8336	PASS, No formation of drops of water on the underside of the sheet
6	Length changed after immersion in water (24 hrs.)	%	JIS A 5905	0.12
7	Impact strength (Parallel to machine direction)	Joules/m ²	In-house method	2,800

DATE: Sep 17, 2012

Issued by



Jiraporn Chruakanchana
 Technical Manager