

build better, live better

SHERATM APPLICATION
SOLUTIONS

SHERA board

Floor, Wall and Ceiling Solution





SHERA board
guarantees quality of
product up to 50 years
worldwide

Offers life-time durability, leading to reduction in
replacement and maintenance cost



SHERA board
is certified by Green Label of
Singapore

License No.041-005

Made from 30% Recycled Materials

Made from recycled materials, **SHERA board** reduces
environmental impact



SHERA board
is green material for green
buildings

Adds credits to buildings which contributes to LEED
certification by U.S. Green Building Council



SHERA board
is the ONLY fiber-cement
player that has been awarded
with Green Choice Philippines
Seal of Approval under license
number 000026

Lower impact to environment and consumer's health;
recommended as safe product to home owners



SHERA board
is the first and only
manufacturer in the industry
to achieve Carbon Label
accreditation

Meets qualifications of Thailand Green House Gas
Management Organization and Thailand Environment
Institute



SHERA board
provides fast-built, dry
construction system

Lighter-weight and dry system better conserves
energy consumption and transportation cost than
that of traditional brick work

GREEN INNOVATION



Key Features

	SHERA board	Plaster board	Ply wood
Weather Resistance	***	**	*
Water/Moisture Resistance	***	**	*
Fire Resistance	***	*	*
Flexible	***	**	**
Sound Insulation	***	***	***
Workability	**	**	**
Low Shrinkage	***	***	**
Termite and Insect Proof	***	*	**

SHERA board Ceiling, Wall & Floor Expert



BETTER WORKABILITY

Better Workability

New **SHERA board** is better workability,
faster work and more user-friendly.



NEAT FINISH

Neat Finish

New **SHERA board** installs neatly and stable.
No warping when get wet or moist.



PAINT SAVING

Smooth Painting

New **SHERA board** helps save
painting cost due to its uniformity.



VARIETY

Variety

SHERA board, the first brand to answer all lifestyle ranging from
T-bar ceiling, smooth ceiling, and decorative ceiling.

SHERA floor board

The thick and strong fiber-cement board for floor leveling, high load bearing and elevated floor was introduced as an ideal alternative to plywood in various floor areas of commercial buildings, shopping centers and retail outlets, industrial buildings, farms and factories etc.

1

SHERA floor board - Square Cut	Thickness (mm)	Width (cm)	Length (cm)	Weight (kg)	Usage Area
Underlayment Application	8	122	244	37.21	Internal and External Floor
	10	122	244	46.51	
	12	122	244	55.82	
Elevated Floor Application	15	122	244	66.75	
	18	122	244	79.15	
	20	122	244	88.50	



SHERA wall board

The excellent properties of impact strength and water / moisture resistance compared with other flat sheets make SHERA wall board the perfect choice for applications such as wall cladding, wall partitioning and decorative walling in residential, commercial and industrial buildings, especially where speedy construction is required and where cleanliness and hygiene is of high importance, such as schools and hospitals.

2

SHERA wall board	Thickness (mm)	Width (cm)	Length (cm)	Weight (kg)	Usage Area
Square Cut	6	122	244	27.91	Internal Wall and External Wall
	8	122	244	37.21	
	10	122	244	46.51	
	12	122	244	55.82	
Recessed Edge	6	122	244	27.15	Internal Seamless Wall
	8	122	244	36.28	

SHERA deco' board

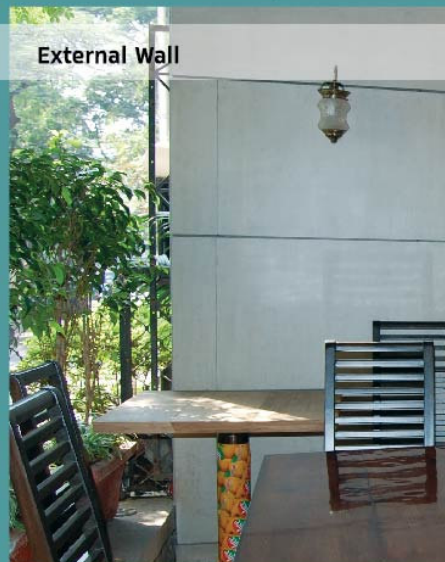
SHERA deco' board conveys the natural aesthetics through distinctive looks of embossed pattern. The textures create a unique dimension and sense of touch to boundless creativity. SHERA deco' board possesses outstanding properties of durability, high impact strength and water resistance, making it ideal for both internal and external decorative applications.

SHERA deco' board	Thickness (mm)	Width (cm)	Length (cm)	Weight (kg)	Usage Area
Profile:	6	122	244	27.91	Internal Decorative Wall
Blossom / Rocco / Stucco / Cassiano / Cassia / Wave / Rain / Drop	8	122	244	37.21	External Decorative Wall

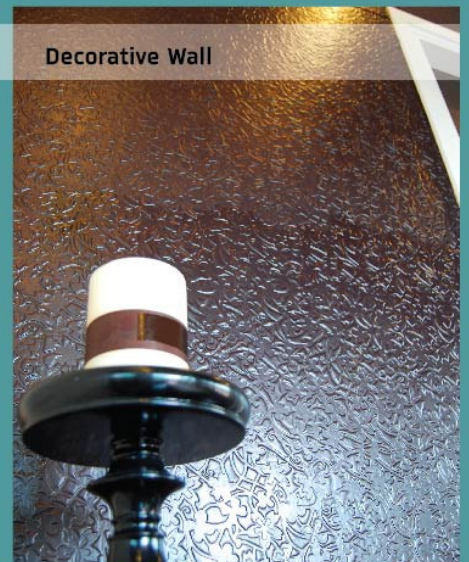
Internal Wall



External Wall



Decorative Wall



SHERA ceiling board

The new formula strengthens the board and increases toughness so the board will not shatter easily. Suitable for external ceilings / soffits and internal wet areas such as shower rooms and restrooms. Also flexible with a minimum radius of 1-2 metres.

3



SHERA deco' ceiling

possesses outstanding properties of durability and water resistance which is applicable for internal and external decorative purposes.

SHERA ceiling board	Thickness (mm)	Width (cm)	Length (cm)	Weight (kg)	Usage Area
Square Cut	3.2	61	122	3.72	Exposed Ceiling
	3.2	122	122	7.44	
	4	122	244	18.61	
	4.5	122	244	20.90	
	6	122	244	27.91	
	3.2	60.3	121.3	3.66	Suspended Ceiling
SHERA vent ceiling	Thickness (mm)	Width (cm)	Length (cm)	Weight (kg)	Usage Area
Profile: Modern / Classic	3.2	61	122	3.72	External Ceiling / Soffit
SHERA deco' ceiling	Thickness (mm)	Width (cm)	Length (cm)	Weight (kg)	Usage Area
Profile: Blossom / Drop / Rocco	3.5	61	122	4.07	Exposed Ceiling
	3.5	122	122	8.14	
	3.5	122	244	16.28	
	3.5	59.5	59.5	1.94	Suspended Ceiling
	3.5	60.3	60.3	2.00	
	3.5	59.5	119.5	3.88	
	3.5	60.3	121.3	4.00	

Internal Ceiling



External Ceiling



Vent Ceiling

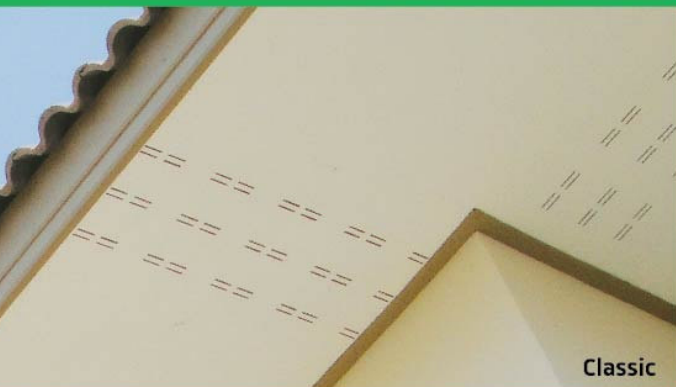


Modern

Deco Ceiling

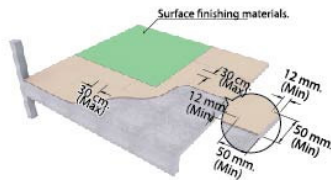
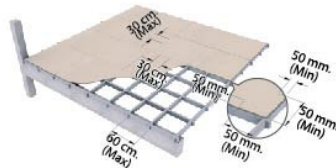


Blossom



Classic

Floor Installation



Elevated Floor Installation

SHERA board	Square cut (Recommend thickness 15-18 mm)
Frame Type	Steel frame; thickness 2.3 mm up Timber frame size 1½ x 3 inch
Frame Spacing	60 x 60 cm
Fastener Type	SHERA screw FIX-W45 G8 for fixing to steel frame SHERA screw FIX-T 1¼ for fixing to timber frame
Fastener Spacing	30 cm
Finishing	Cover with carpet, ceramic tile, laminated floor or paint
Painting	For internal floor, paint with epoxy coat For internal and external floor, paint with polyurethane

Underlayment Installation

SHERA board	Square cut (Recommend thickness 8-12 mm)
Adhesive	Fix with cement glue, latex, or urethane glue together with concrete nail size 1-1.5 inch
Fastener Spacing	30-50 cm
Finishing	Top with carpet, ceramic tile or laminated floor

General Wall Installation

SHERA board	Square cut (For butt joint; recommend thickness 8-12 mm) Recessed edge (For flush joint; recommend thickness 8 mm for interior seamless wall)
Frame Type	Galvanized steel frame U75 and C74 ; Thickness 0.55 mm up
Frame Spacing	Vertical frame @ 60 cm Horizontal frame @ 120 cm
Fastener Type	SHERA screw FIX-W25
Fastener Spacing	30 cm

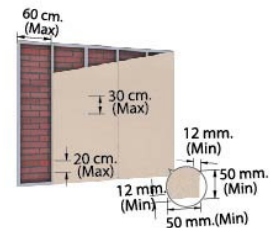
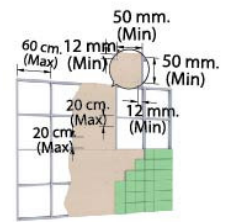
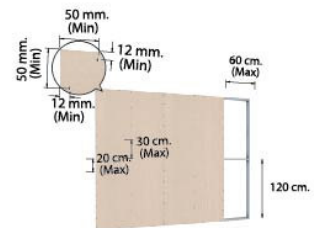
Tile Wall Installation

SHERA board	Square cut (Recommend thickness 10-12 mm)
Frame Type	Galvanized steel frame U75 and C74 ; Thickness 0.55 mm up
Frame Spacing	60 x 60 cm
Fastener Type	SHERA screw FIX-W32 G8
Fastener Spacing	20 cm
Tile Adhesive	Recommended Weber Tile Flex, Weber Fix Plus or RCI Spider

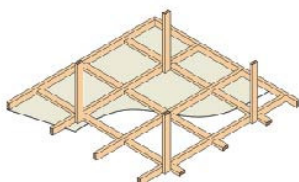
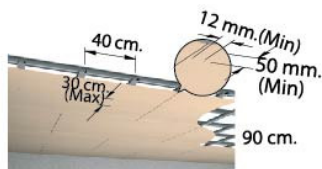
Brick Wall Installation

SHERA board	Square cut (Recommend thickness 8-12 mm) Recessed edge (Recommend thickness 8 mm for interior seamless wall)
Frame Type	Galvanized steel frame (C-Line) no. 24 thickness 0.55 mm
Frame Spacing	60 cm vertically fixed to metal bracket e.g. BPB ML75
Fastener Type	SHERA screw FIX-W25
Fastener Spacing	20 cm

Wall Installation



Ceiling Installation



Steel Frame Installation

SHERA board	Square cut (For butt joint; recommend thickness 4-6 mm) Recessed Edge (For flush joint; recommend thickness 6 mm for seamless ceiling)
Frame Type	Galvanized steel frame (C-Line) no. 24-26
Frame Spacing	Major Frame @ 90 cm Minor Frame @ 40 cm
Fastener Type	SHERA screw FIX-B20
Fastener Spacing	30 cm

Timber Frame Installation

SHERA board	Square cut (For butt joint; recommend thickness 4-6 mm) Recessed Edge (For flush joint; recommend thickness 6 mm for seamless ceiling)
Frame Type	Timber frame size 1½ x 3 inch
Frame Spacing	60 cm x 60 cm
Fastener Type	Nail size 1 - 1½ inch
Fastener Spacing	30 cm

TECHNICAL DATA

Physical Properties	Standard*	Unit	Tested Result
Thickness Tolerance	ASTM C1185	%	±6
Density	ASTM C1185	Kg / m³	1,300±50
Modulus of Rupture (wet condition)	ASTM C1185	MPa	>7.0
Modulus of Elasticity (wet condition)	ASTM C1185	MPa	5,500±50
Water Absorption	ASTM C1185	%	≤35
Moisture Content	ASTM C1185	%	≤12
PH Value	-	-	7-8
Thermal Conductivity	ASTM C177	Watt/mK	0.15
Sound Protection	ASTM E90-97	dB	30-64
Length Change by Moisture Movement	ASTM C1185	%	0.04
Length Change by Water Absorption	JIS A5414	%	0.19
Water Tightness	ASTM C1185	-	Pass
Fire Properties			
Ignitability	BS476 Part 5	-	Pass
Fire Propagation Index	BS476 Part 6	-	I = 0
Surface Spread of Flame	BS476 Part 7	-	Class 1
Fire Resistance	BS476 Part 22	mins	30-180
Smoke Developed Index	ASTM E84-00a	-	0
Single Burning Item	EN 13823 : 2002	-	Pass
Fire Classification	EN 13501-1 : 2002	-	A2s1d0
Building Combustibility	CNS 6532	-	non-combustible
Durability Properties			
Freeze/Thaw resistance		-	Pass
Warm water resistance	ASTM C1185	-	Pass
Heat/Rain resistance	และ BS EN 12467:2000	-	Pass
Soak/Dry resistance		-	Pass

* Remark SHERA board also conforms to Australia / New Zealand Standard (AS / NZ 2908.2:2000), European Standard (BS EN 12467:2000) tested by PSB Corporation, Singapore and Thai Industrial Standard : Fiber-Cement Flat Sheet (TIS 1427-2540)

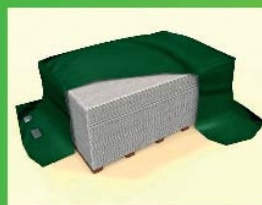
PRODUCT APPLICATION

Application	Thickness (mm.)								
	3.2	4	6	8	10	12	15	18	20
Internal Ceiling	●								
External Ceiling/Internal Ceiling/Arch Ceiling		●	●						
Bended Wall/Internal Partition			●	●					
Subroof/Sunshade				●	●				
General External Wall/in Wet Area				●	●				
High Rise Building Wall/External Cladding					●	●			
Underlayment				●	●				
Raised Floor/Elevated Floor							●	●	●
Weight (kg per 1200x2400 mm)	14.4	18	27	36	45	54	64	77	86
Weight (kg per m²)	5	6.25	9.37	12.50	15.62	18.75	22.22	26.74	29.71

HANDLING & STORAGE



Handle vertically
from both edges



Store under shade, dry and leveling area on 5 timber bases with minimum width 1.5" x 3"
For 4 mm thickness, the height of stack should not exceed 200 pieces.
For 6 mm thickness, the height of stack should not exceed 130 pieces.
Do not install and paint the sheets when they are damp or wet.

SHERA ACCESSORIES



SHERA screw fix - b

For galvanized steel frame:
0.55-1.2 mm thickness



SHERA screw fix - w

For steel frame:
1.0-3.2mm thickness



SHERA screw fix - t

For timber frame

Frame Type	SHERA screw recommended for SHERA board		
	4-6 mm.	8-12 mm.	15-18 mm.
Galvanized steel frame: 0.55-1.2mm. thickness	FIX-B20	FIX-W32 GB	-
Steel frame: 1.0-3.2 mm. thickness	-	FIX-W32 GB	FIX-W45 GB
Timber frame	FIX-T 11/4"	FIX-T 11/4"	FIX-T 11/4"



SHERA sealant PU25

Polyurethane joint sealant,
internal and external use

SHERA barrel gun

15" aluminum barrel gun for
both 310 and 600 ml SHERA
polyurethane sealant

SHERA jointing compound

For internal smooth seamless
jointing, applied together with
SHERA fiberglass mesh tape



SHERA cement jointing compound

For external smooth seamless jointing,
applied together with SHERA fiberglass
mesh tape



SHERA fiberglass mesh tape

Place SHERA fiberglass mesh tape
over the recessed areas of SHERA
board while doing flush joint



The Thai Olympic Fibre-Cement Co., LTD 2426/3 Mahaphant Building, Chareonkrung Road, Bangkoktheam, Bangkok 10120
บริษัท โอลิมปิกเฟรย์-ซีเมนต์ จำกัด 2426/3 อาคารมาพันธ์ ถนนเจริญกรุง แขวงบางค้อหลวง เขตบางค้อหลวง กรุงเทพฯ 10120

Living Clinic : +66 2 289 9888 F : +66 2 289 9800 E-mail : living_clinic@SHERAsolution.com

DISTRIBUTOR

Actual colors may vary due to printing limitations.
The company reserves the right to make changes to
the information described herein without prior notice.

Version: June 2012

www.SHERAsolution.com