

Installation Manual for SCG SmartBOARD

Fiber Cement Board Non Asbestos





SCG SmartBOARD fiber cement board

SCG SmartBOARD is a new generation of fiber cement material with **FIRM** & *FLEX* Technology made the board gain strength, durability and elasticity in one time. **SCG SmartBOARD**, with state-of-the-art composition of Elephant (SCG) Portland Cement, Silica and Special cellulose fiber through Autoclave process, is specifically designed for various ceiling, wall and flooring applications both internal and external usage.

SCG SmartBOARD Ceiling	Special Properties							
Squared Edge 3.5. 4. 6 mm. thick			High impact strength		rength from state-of-the-art co and Special cellulose develope			CG) Portland
4-side Tapered Edge	FIRM		Water-Resistance and Non-decay	Long lasting even using in hot, humid, and strong raining weather condition according to JIS Standard A5420.				
Premium 5.5 mm. thick			Termite Resistance	Termite resistance from Portland cement material.				
4-side Tapered Edge B mm. Biok Wood Grain/Square Lining			Flexibility for various designs	Bendable. No v	water is needed to applied whil	le bendir 1 = 2.0 m	ng the board. R = 4.0 m	
Wood Grain	FLEX	-		4 mm. 1 m. bending radi	6 mm. us 1.50 m. bending radius 2.0 r	8 mm. n. bending	10 m radius 4.0 m. bendi	
4 mm. thick S-inch Square Lining			Light weight, fast and easy to install	With only 30 kg, per sq.m. total weight of internal partition and faster installation than conventional system, it provides flexibility of designs and durability of applications better than conventional systems.				
4 mm. thok Ventilated			Better heat resistance	wall material,	low heat conductivity compar SCG SmartBOARD is the ide nment, reducing energy consu	eal mate	erial for preventing	g heat from
Ventilated	Choosing	S	CG Smart BOARD t	o match y	your application			
4 mm. thick	Application		Usage area	Series	Surface		Installation	Recommended
Ventilated Wood Grain		Any room that you want to prevent		Squared Edge	Smooth Surface		Space Lining, T-Bar, No Space Lining	Thickness 3.2, 3.5, 4, 6 mm.
4 mm. thick	Internal Ceiling			4-side Tapered Edge	Smooth Surface		Concealed Edge	6 mm.
				Wood Grain	Wood Grain Texture		Space Lining, T-Bar, No Space Lining	4 mm.
Ventilated 3-inch Square Lining 4 mm. thick				Squared Edge	Smooth Surface		Space Lining, No Space Lining	3.5, 4, 6 mm.
				Ventilated	Smooth Surface	-	Space Lining,	
SCG SmartBOARD Wall	External Calling	Areas where regularly expose to Rain and Sun.		Ventilated Wood Grain	Wood Grain Texture	Ventilated hole	No Space Lining	4 mm.
Smooth Surface	External Ceiling	1. Ho		3-inch Square Lining Wood Grain	- Smooth Surface - 3-inch Lining Smooth Surface	noie	Space Lining, No Space Lining	4 mm.
Squared Edge 8, 10, 12 mm. thick		3. Ga	arage, Open Cabin or Cottage	Wood Grain	- Wood Grain Texture - 3-inch Lining Smooth Surfac	ė	Space Lining	4 mm.
2-side Tapered Edge				3-inch Square Lining	- Smooth Surface - 3-inch Lining Smooth Surface		Space Lining, No Space Lining	4 mm.
8 mm. thick			s where you want light weight wall place brick walls without beam	Squared Edge	Smooth Surface		Space Lining, No Space Lining	8 - 12 mm.
40	Light Weight Wall	reinfo	proement needed	2-side Tapered Edge	Smooth Surface		Concealed Edge	8 mm.
Wood Grain/Square Lining	Light weight wall	- Ea m	urable and High resitant to Impact asy to customize siding designs to aximize individual needs	4-inch Square Lining	- Smooth Surface - 4-inch Lining Smooth Surface		No Space Lining	8 mm.
6-inch			ast and Easy to Install afe from termites	Squared Edge	6-inch Lining with Golden Teak Wood Grain		No Space Lining	8 mm.
Bruare Lining Wood Grain (Golden Teak Color) 6°, 8 mm, thick	Decorative Wall		lecorating new built or renovating ng wall	Squared Edge	6-inch Lining with Golden Teak Wood Grain		Space Lining 6 mm.	6 mm.
e, s mm. mox 4-inch Square Lining 8 mm. thick	External Wall		ermanent external wall that needs to pose to sun, rain and wind regularly	Squared Edge	Smooth Surface		Space Lining 8 - 16 mm	8 - 16 mm.
S THE STORE		to rep	lace brick walls because faster lation, time saving and cost saving.	Squared Edge	6-inch Lining with Golden Teak Wood Grain		Space Lining 8 mm.	8 mm.
rotrecommended for structural materials SCG SmartBOARD Floor Smooth Surface	Backer Board	Suitable for kitchen or bathroom walls with ceramic tiles finishing which will be resistant to impact, termite and moist. Underlaying for parquet and laminated floor to reduce time, labour, and cost.		Squared Edge	Smooth Surface		No Space Lining	8 - 16 mm.
Squared Edge	Floor Underlay			Squared Edge	Smooth Surface		Space Lining 8 - 12 mm.	8 - 12 mm.
16, 18 mm. thick	Floor		nternal and external floor which are lways soaked in water.	Squared Edge	Smooth Surface		No Space Lining	16 - 18 mm.

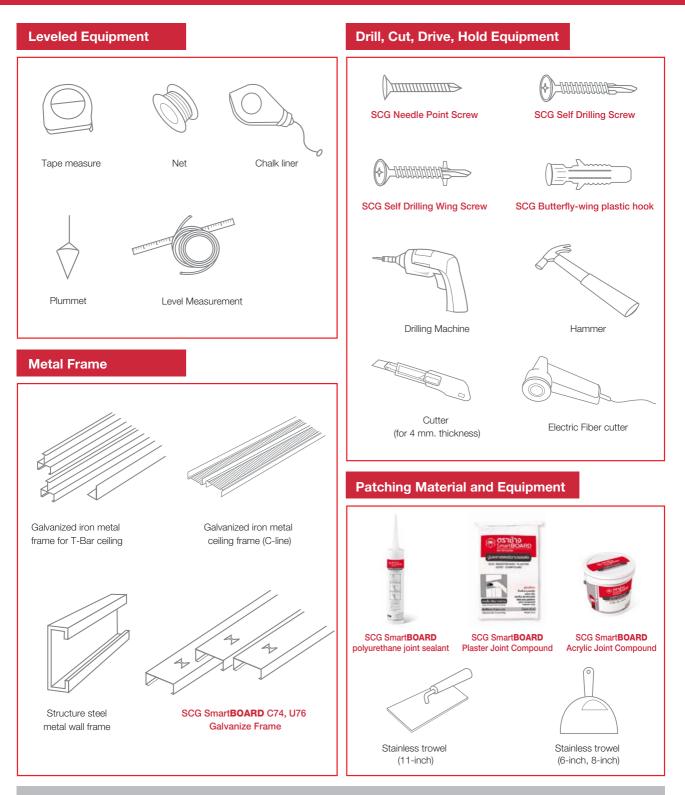


Content

	Tools and Equipment	1
	SCG SmartBOARD Cutting and Drilling	2
1	Ceilling Installation	3
	1.1 Space Lining Ceiling Installation with Wooden Frame	3
	1.2 Space Lining Ceiling Installation with Metal Frame	4
	1.3 Concealed Ceiling Installation	5
	1.4 T - Bar Ceiling Installation	7
	1.5 Curved Surface Installation	8
2	Wall Installation	9
	2.1 Space Lining External Wall Installation	9
	2.2 Space Lining Internal Wall Installation	11
	2.3 Concealed Wall Installation	14
	2.4 Bended Wall Installation	15
3	Floor Installation	16
4	Underlay Installation	19
5	Fixing and Hanging objects	20
	5.1 Fixing and Hanging Objects	20
	5.2 SCG SmartBOARD Maintenance	21
6	Placing Ceramic Tiles on SCG SmartBOARD	22
	SCG SmartBOARD Equipment for Installation	23



Tools and Equipment



Made from Siamfibrecement, Ltd.

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SmartBOARD Cutting and Drilling

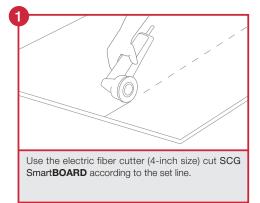
Tools and Accessories

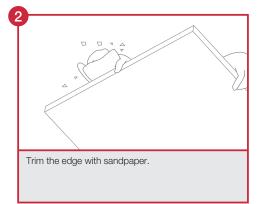
Cutting Too	I
Drilling Tool	

- : Electric fiber cutter (4-inch size) or cutter with 1 inch wide-blade.
- Electric drilling machine.
- Grinding Tool : Sandpaper, File, Grinding Machine.

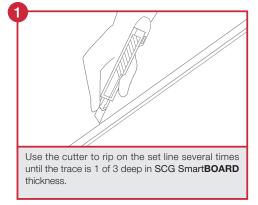
Installation Instruction

To cut with electric fiber cutter : suitable for SCG SmartBOARD in every size (3.5 - 18 mm.)

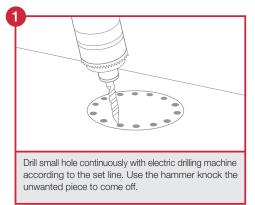


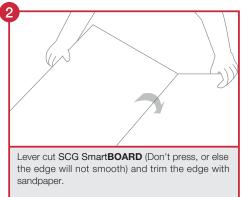


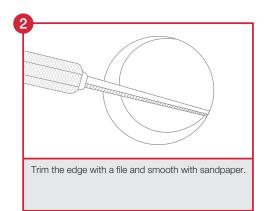
To cut with cutter : suitable for SCG SmartBOARD 3.2 - 4 mm.



To drill SCG SmartBOARD









1

Ceiling Installation

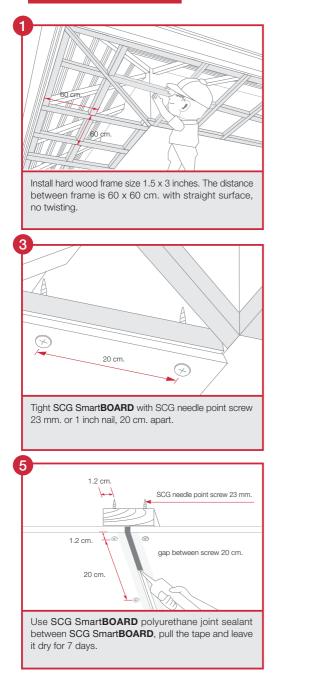
1.1 Space Lining Ceiling Installation with Wooden Frame

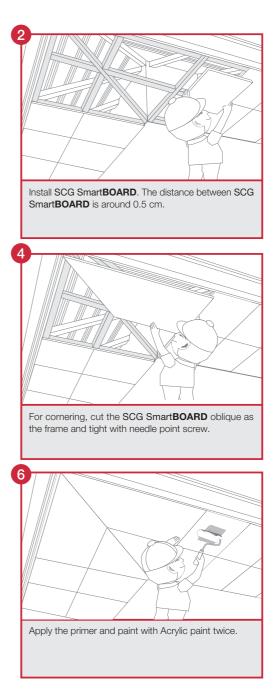
Frame and accessories

Frame Fixing Tool Sealant Material : Hard wood frame size 1.5 x 3 inches.

- : SCG needle point screw 23 mm. or 1 inch nail.
- : SCG SmartBOARD polyurethane joint sealant.
- SCG SmartBOARD : S
 - : Squared Edge 3.5 6 mm. thick.

Installation Instruction







1.2 Space Lining Ceiling Installation with Metal Frame

Frame and accessories

Sealant Material

SCG SmartBOARD

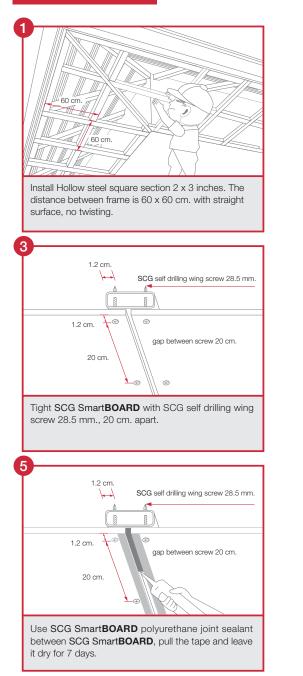
:	Hollow	steel square	section	2 x 3	inches,	1.2 mm. t	hick.
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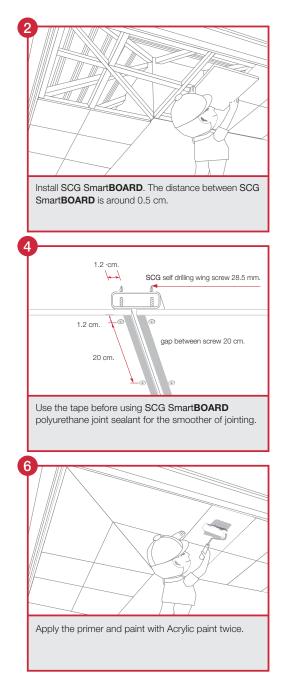
- : SCG self drilling wing screw 28.5 mm.
- : SCG Smart**BOARD** polyurethane joint sealant.
- : Squared Edge 3.5 6 mm. thick.

Installation Instruction

Frame Fixing Tool

(Method of ceiling frame installation follow to frame producer.)







1.3 Concealed Ceiling Installation

Frame and accessories

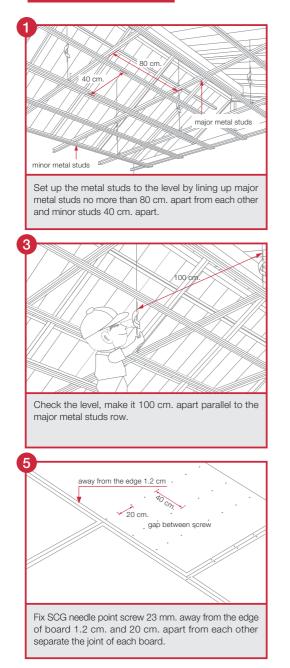
Frame Fixing Tool

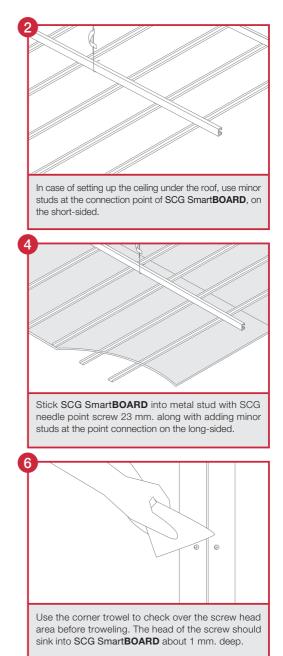
- : Galvanized iron metal ceiling frame (C-line) No. 24, minimum width of 38 mm.
- Face Tool
- : SCG needle point screw 23 mm. : SCG SmartBOARD acrylic joint compound, Stainless trowel, Square wooden-tray,
- SCG SmartBOARD
- : 4-side Tapered Edge 6 mm. thick.

Cotton tape, Waterproof abrasive paper.

Installation Instruction

(Method of ceiling frame installation follow to frame producer.)

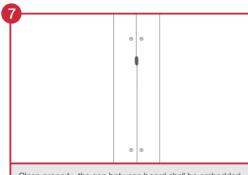




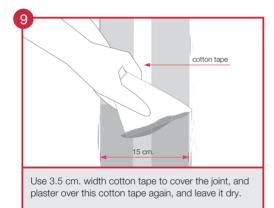


Concealed Instruction

(Only SCG SmartBOARD acrylic joint compound shall be used to plaster the joint between SCG SmartBOARD tapered edge. All System and Opening works shall be completed prior the plastering).

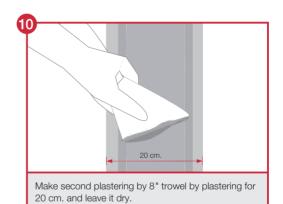


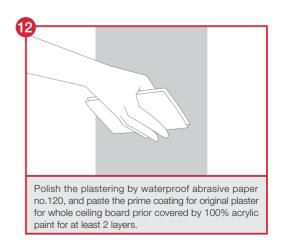
Clean properly, the gap between board shall be embedded by SCG SmartBOARD acrylic joint compound, and leave it dry.





B 15 cm. Use 6" trowel to make first plastering for 15 cm. width.





Recommendation ;

The concealed SCG SmartBOARD ceiling shall be installed in the area which will not directly contact to water, or the area that tend to be vibrated by structure.



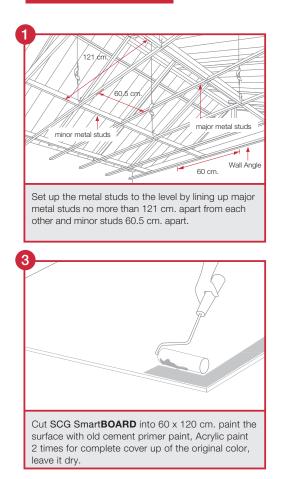
1.4 T-Bar Ceiling Installation

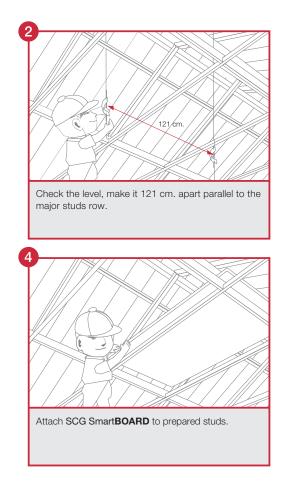
Frame and accessories

- Frame
- : Galvanized iron metal frame T- Bar 38 mm. in height.
- Fixing Tool SCG Smart**BOARD**
- : SCG butterfly-wing plastic hook 37 mm. , SCG needle point screw 38 mm.
- : Squared Edge 3.5, 4 and 6 mm. thick, cut into 60 x 120 cm. or 60 x 60 cm.

Installation Instruction

(Method of ceiling frame installation follow to frame producer.)





Instruction:

In case need ceiling size 60 x 60 cm. enhance major studs 60.5 cm. in length with existing studs 121 x 60.5 cm.



1.5 Curved Surface Installation

Frame and accessories

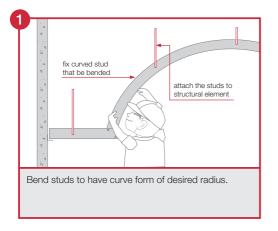
Frame

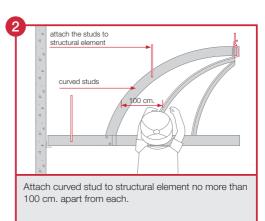
Fixing Tools

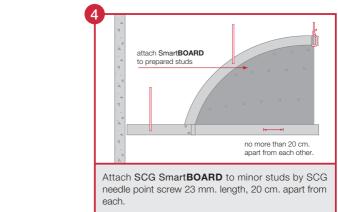
- : Galvanized iron metal ceiling frame (C-line) No.24
- : SCG needle point screw 23 mm. SCG SmartBOARD
 - : Squared or Tapered Edge 4 mm. or 6 mm. thick.

Installation Instruction

(Method of ceiling frame installation follow to frame producer.)







Remark : In case need to trowel connection point, you can do as the process for concealed ceiling.

, 1 40 cm

no more than 40 c

o more tha

Suggestion

apart.

drive screw into major studs

hook for connection

cut flank, curved C-line No.24

fix minor studs to major studs no more than 40 cm.

SCG SmartBOARD can be bend-installed by attach the board to the frame as the fixed radiance as follows:

Product	Thickness (mm.)	Minimum Radius	Spacing between minor studs	Spacing between fixing tool
SCG Smart BOARD Ceiling	3.5 - 4 cm.	1.00 m.	40 cm.	20 cm.
	6 mm.	1.50 m.	40 011.	20 011.

8

Note : Above radius is radius of SCG SmartBOARD in length.



2 Wall Installation

2.1 Space Lining External Wall Installation

Frame and accessories

: Steel C 75 x 45 x 15 x 2.3 mm.

SCG self drilling wing screw 32 mm.
 SCG self drilling screw 45 mm. (For SCG Smart**BOARD** 16 mm. thick)
 SCG Smart**BOARD** polyurethane joint sealant.

Sealant Material Corner covered Tool SCG Smart**BOARD**

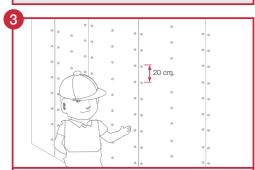
Fixing Tool

: SCG cement corner.: Squared Edge 8 -16 mm. thick.

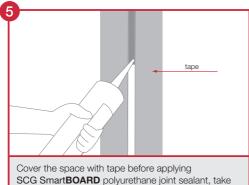
Installation Instruction



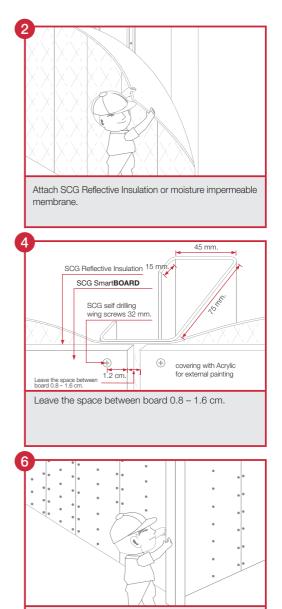
Fix studs to structural element no more than 60 cm. apart.



Fixing SCG SmartBOARD 8 -12 mm. thick by SCG self drilling wing screw 32 mm., 20 cm. apart from each other and 1.2 cm. apart from edge of board. Fixing SCG SmartBOARD16 mm. thick by SCG self drilling screw 45 mm.

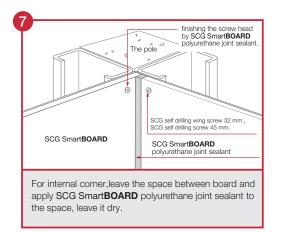


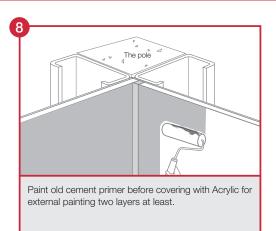
tape off, leave it dry.



Fix SCG cement corner by butterfly-wing plastic hook, 37 mm. and SCG needle point screw 38 mm. to external corner.

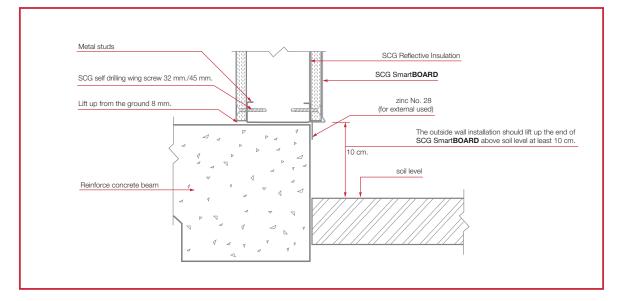






Remark : For SCG SmartBOARD 16 mm. thick fixing by SCG self drilling screw 45 mm.

Detail for Installation



Suggestion

For external wall installation, should consider about wind and other forces.

	Spacing Frame for SCG SmartBOARD (cm.)					
Height of Building (m.)	The thickness of SCG SmartBOARD					
	8 mm.	10 mm.	12 mm.			
Less than 10	40	60	70			
10 - 20	Not Recommend	40	50			
20 - 30	Not Recommend	Not Recommend	40			
More than 30	Not Recommend	Not Recommend	Not Recommend			

Remark : Length between and the thickness of SCG SmartBOARD, follow the engineer who design the building.

10



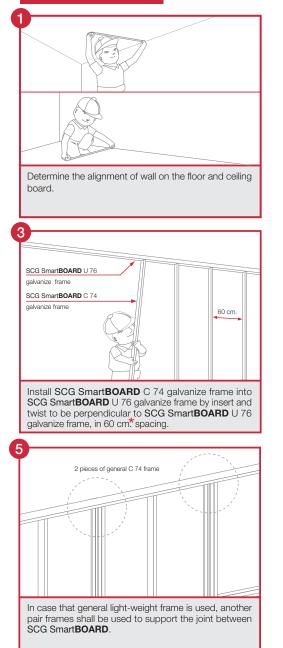
2.2 Space Lining Internal Wall Installation

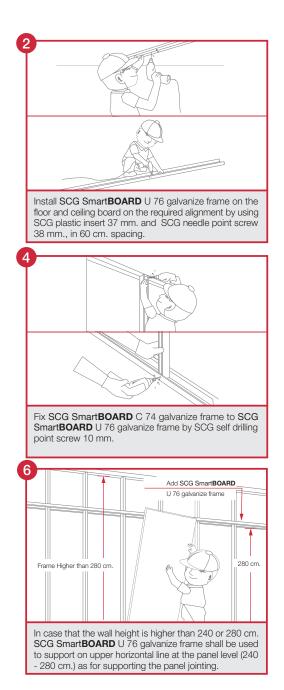
Frame and accessories

- Frame Fixing Tool Sealant Material SCG Smart**BOARD**
- : SCG SmartBOARD C 74, U 76 galvanize frame.
- : SCG self drilling screw 23 mm.
- : SCG Smart**BOARD** polyurethane joint sealant. : Squared Edge 8 mm. thick, 2 size 120 x 240 cm., 120 x 280 cm.
 - 4-inch Square Lining 8 mm. thick, size 120 x 280 cm.

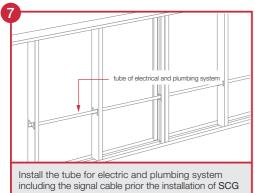
6-inch Square Lining Wood Grain (Golden Teak Color) 6, 8 mm. thick, size 60 x 300 cm.

Installation Instruction

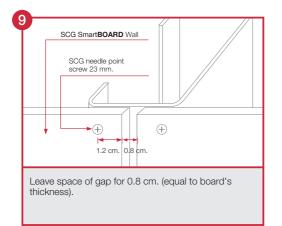


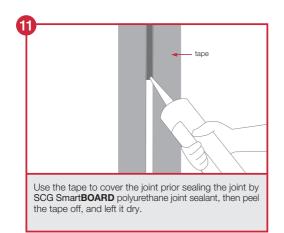


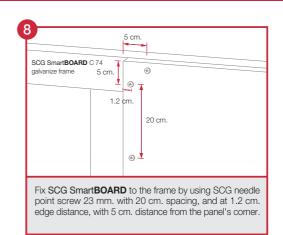


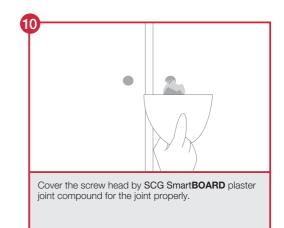


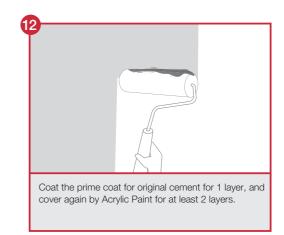
SmartBOARD.









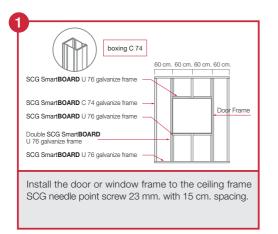


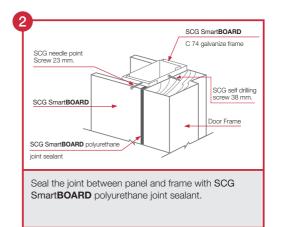
* Remark : In case that SCG SmartBOARD with 6-inch square lining wood grain (Golden Teak Color) is used as real wall, the frame should be installed in every joint along the length of panel in order to allow sealing of the joint by SCG SmartBOARD polyurethane joint sealant.



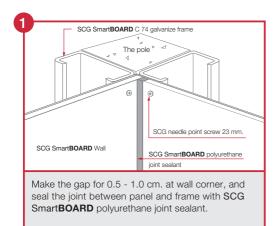
2.2 Space Lining Internal Wall Installation

Installation Instruction in door or window area





Installation Instruction in wall corner





2.3 Concealed Wall Installation

Frame and accessories

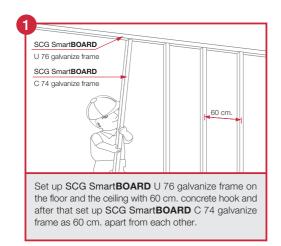
SCG SmartBOARD

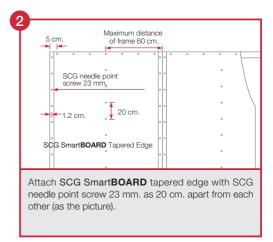
Frame	:	SCG Smart BOARD C 74, U 76 galvanize frame.
Fixing Tool	:	SCG self drilling screw 23 mm., SCG needle point screw 10 mm.
Sealant Material	:	SCG Smart BOARD plaster joint compound, Sandpaper no. 3

- : SCG SmartBOARD plaster joint compound, Sandpaper no. 3
- : 2-side Tapered Edge 8 mm. thick, size 120 x 280 cm.

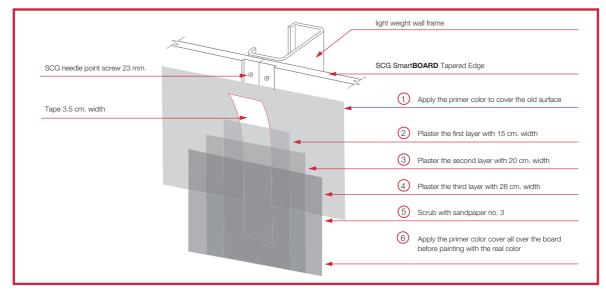
Installation Instruction

The set-up step is the same as The Space Lining Internal wall Installation.





Concealed Instruction



Step of concealed wall installation is the same as The Concealed Ceiling Installation

Suggestion

Concealed wall : using advised only interior and dry area only.

14



2.4 Bended Wall Installation

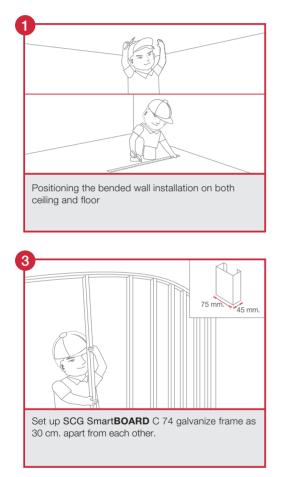
Frame and accessories

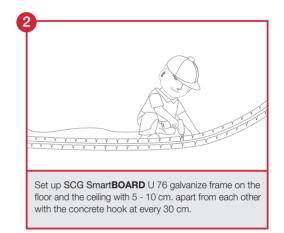
Frame

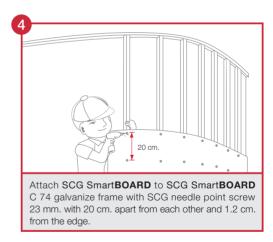
- : SCG SmartBOARD C 74, U 76 galvanize frame.
- Fixing Tool
- : SCG self drilling screw 23 mm.
- SCG Smart**BOARD**
- : Squared Edge 8 mm. thick.

Installation Instruction

SCG SmatBOARD is flexible, so it can be bended without water soaking as follows :







Suggestion

SCG SmartBOARD can be bend-installed by attach the board to the frame as the fixed radiance as follows:

Product	Thickness (mm.)	Minimum Radius	Spacing between frame	Space between fixing tool
SCG Smart BOARD Wall	8	2.00 m.	30 cm.	20 cm.
	10	4.00 m.	30 cm.	20 cm.

15

Note : Above radius is radius of SCG SmartBOARD in length.



3 Floor Installation

Frame and accessories

Frame Fixing Tool Sealant Material SCG Smart BOARD	 Steel. SCG self drilling screw 45 mm. SCG grumcrete. Squared Edge 16 - 18 mm. thick.
SCG Smart BOARD	: Squared Edge 16 - 18 mm. thick.

Installation Instruction

1. Prepare the structure to support SCG SmartBOARD flooring by allow the size and spacing of the frame to support the load safely as designed by the Engineer, or can choose the size and spacing of the frame approximately from the table.

Table 1 Spacing of stinger for the maximum safe load

SCG SmartBOARD for flooring							
Thinkness (mm.)	m.) Distance of support Type of building		Live Load (kg./m²)				
16	40	House / Residence	150				
	40	Hotel / Dormitory	200				
	40	Office / Bank	250				
18	40	School / University	300				
	30	Departmentstore / Cinema / Hall / Restaurant / Carpark	400				
	30	Cargo / Museum / Plant / Publisher	500				

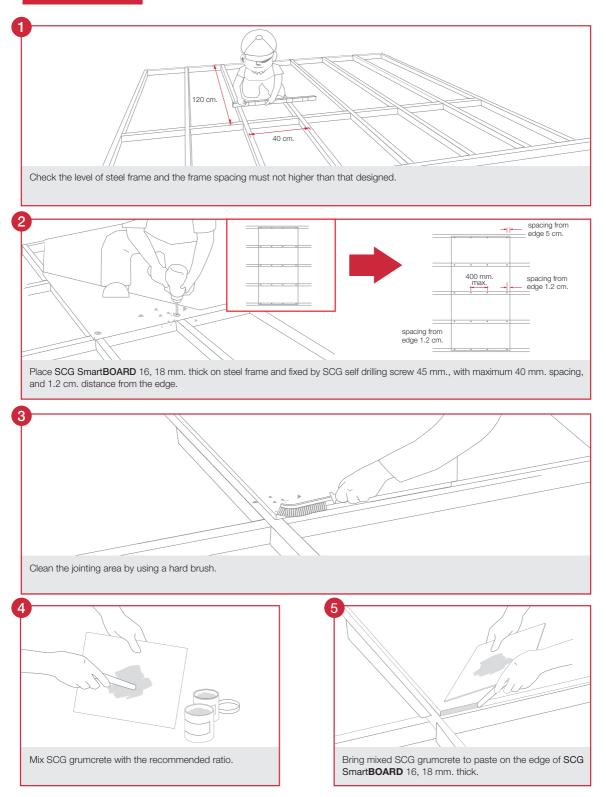
Remark : SCG SmartBOARD floor shall not support point load higher than 100 kg., on 10 sq.cm. area. Do not use in the area which always wet and moist.

2. The frame must provide at least 4.5 cm. width, in case that the steel frame is used there should be a rust protection at appropriate level and suit to the environment and operating condition.

3. In case of using SCG SmartBOARD in area that longer than 6 m., all jointing spaces of SCG SmartBOARD and ceramic tiles (floor covering materials) must be full-filled by SCG SmartBOARD polyurethane joint sealant.



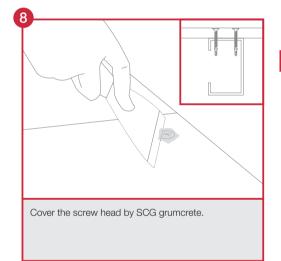
Floor Installation

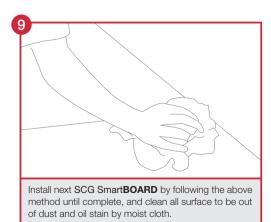


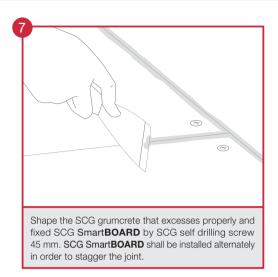
17

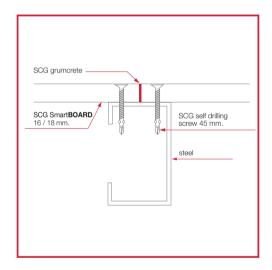


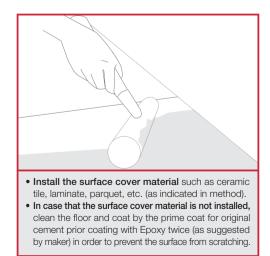














4

Underlay Installation

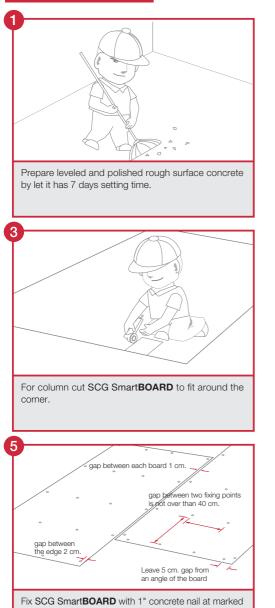
Tools and accessories

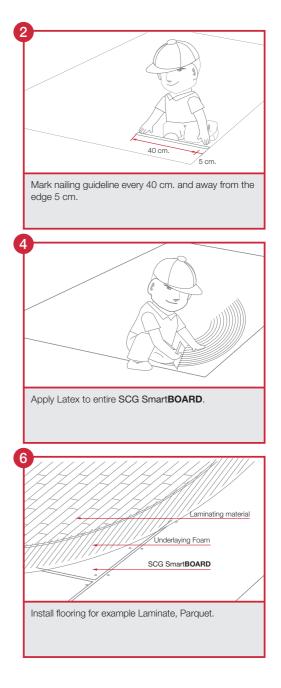
Fixing Tool

: Concrete nail 1 inch for SCG Smart**BOARD** 8 mm. thick. Concrete nail 1.5 inches for SCG Smart**BOARD** 10 - 12 mm. thick, Glue.

- SCG SmartBOARD
- : Squared Edge 8 12 mm. thick.

Installation Instruction





Suggestion

overlaped.

- For fixing SCG SmartBOARD with 1" concrete nail, be careful not to deepen the nail to reach reinforcing steel level.
- Adjust the surface to be that same level before installation.

point and keep 1cm. away between SCG SmartBOARD

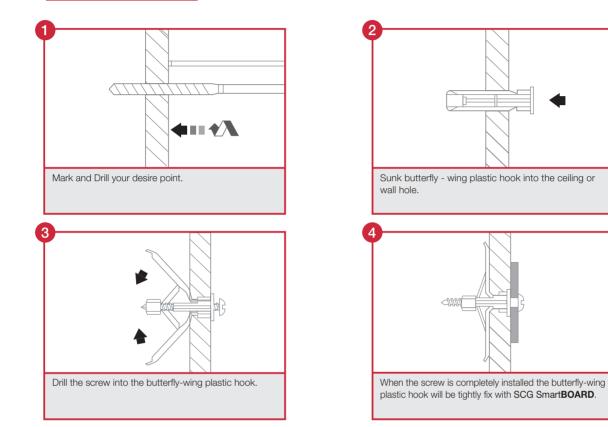
High drying shrinkage rate materials are not recommended to apply on SCG SmartBOARD.



5 **Fixing and Hanging objects**

5.1 Fixing and Hanging objects

Installation Instruction



Suggestion : Hanging devices can be fixed to both ceiling and wall by using the following accessories.

Product	Application	Accessories	Maximum Weight Stand (kg.)
SCG SmartBOARD 3.5 mm. thick	Ceiling	butterfly-wing plastic hook PT - 5 with drilling screw	5
SCG SmartBOARD 4 mm. thick	Ceiling	butterfly-wing plastic hook PT - 5 with drilling screw	7
SCG SmartBOARD 6 mm. thick	Ceiling	butterfly-wing plastic hook PT - 13 with drilling screw	10
SCG SmartBOARD 8 mm. thick	Wall	butterfly-wing plastic hook PT - 13 with drilling screw	80

Recommendations 1. Use the table above to estimate the weight baring level of different thickness and usage of SCG SmartBOARD

20

2. When hanging heavy weight objects, it is advised to fix your object in the position that is on the studs, the maximum weight stand will also vary depending on the strength of different studs.



5.2 SCG SmartBOARD Maintenance

Frame and Accessories

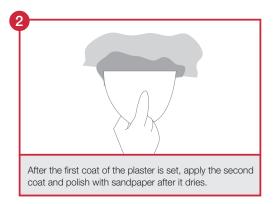
- Frame Fixing Tool
 - Tool
- Sealant Material : S
- SCG needle point screw 23 mm.
 SCG SmartBOARD plaster joint compound, Sandpaper.

: C-line frame.

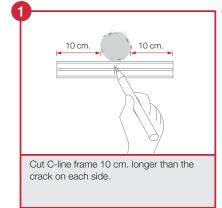
Installation Instruction

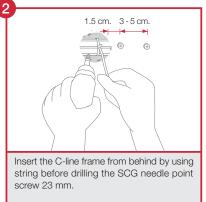
• In case of Minor Damage (Less than 2 cm. crack)

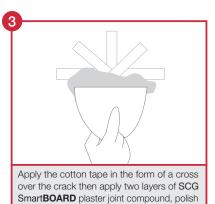




• In case of Moderate Damage (2 - 5 cm. crack)

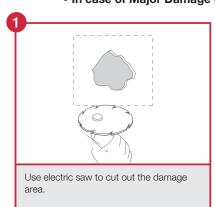


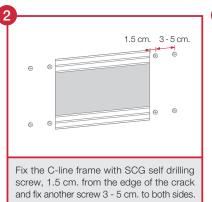


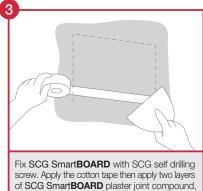


with sandpaper, and apply coat of color.

In case of Major Damage (More than 5 cm. crack)







of SCG SmartBOARD plaster joint compound, polish with sandpaper, and apply coat of color.



6. **Placing Ceramic Tiles on SmartBOARD**

Frames and Accessories

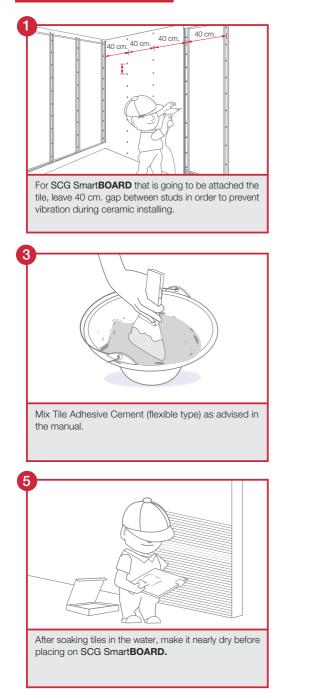
Fixing tool

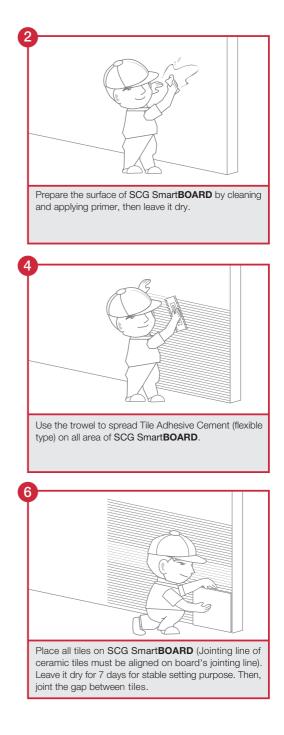
: Tile adhesive cement (flexible type)

SCG Smart**BOARD**

: Squared Edge with 10 - 12 mm. thick.

Installation Instruction





Suggestion about placing ceramic tiles on SCG SmartBOARD

It is our recommendation not to do it on the panel which is over 5 meters long. In such case, technical discussion in details with us is needed.

22



SCG SmartBOARD Equipment for Installation

 SCG Self Drilling Point Screw 10 mm. Used to fix SCG SmartBOARD C 74 and U 76 Galvanize Frame, or fix SCG SmartBOARD C 74 and C 74 Galvanize Frame in order to make as door or window frames. Easily install, can drill and fix firmly with two or three layers of 0.55 mm. thick of steel ceiling frames. Endure to the rust or corrosion because the material is made from high-quality steel wires, can be used either external or internal. Containing size : 500 pieces / box 	 Specially designed to suit with the work operated with Fiber cement material safely, endure, and nice. Longer life for rust or corrosion, because the material is made from high-quality steel wires, can be used either external or internal. Designed to provide the fin around the screw head which make the screw head fully embedded in the panel automatically resulting nice surface of work. Containing size : 500 pieces / box
 Specially designed to suit with the work operated with Fiber cement material safely, endure, and nice. Longer life for rust or corrosion, because the material is made from high-quality steel wires, can be used either external or internal. Specially designed to provide special drill end, which will not require advance penetration, easily operated, and can drill rapidly into the steel, its fin can core the panel allowing the screw head to be perfectly and nicely embedded into the panel. The fin will automatically break whenever the steel is eventually penetrated. Containing size : 500 pieces / box 	 SCG SmartBOARD polyurethane joint sealant This is the polyurethane material used to seal the joint, easily used, and perfectly adhere to the surface of SCG SmartBOARD or any construction materials such as fiber cement, concrete, brick, roof tile, ceramic tile, aluminium, timber, glass. Used as a joint sealant which can well prevent the leakage, can be used in either external or internal of building. Endure to the climate circumstance, and can be painted over without altering the color shade. Containing size : 310 ml. / tube, and 600 ml. / foil tube
 SCG SmartBOARD Acrylic Joint Compound This is joint-plastering material made by already mixed high-quality acrylic. It is prompt to used for plastering the joint of SCG SmartBOARD, or other fiber cement panel inside the building. Viscous acrylic matrix, smoothly plastered, and the surface can be furnished easily while exposing nice plastering or coated panting. Suit with ceiling work. Containing size : 5 kg. / box 	<text><list-item></list-item></text>
 SCG SmartBOARD C 74, U 76 Galvanize Frame Thick steel material providing strength, safety, and manufactured in accorr TIS.863-2532 with full thickness of 0.55 mm. Economic section with 45, 47 mm. width frame section, which will not record the support for the frame in the joint area between SCG SmartBOARD p the time and labor for installation. The material is endured for corrosion on is coated by Hot Dip Galvanized Steel Z22. 	quire to make anel, and will reduce

• Coated by specially thick surface to prevent rust or corrosion.

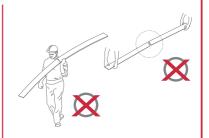




Recommendation on lifting and moving

Lifting or moving of products shall be carried out with special attention and avoid continuous work in long period in order to prevent the injury or fatigue. The operator shall drop oneself on knee and firmly hold the product every time that perform the lifting. Then use his leg power to lift by holding at 30 cm. distance from the edge of SCG SmartBOARD





Storing Tips

4-inch Square Lining



Personal Safety Equipment







Safty goggle



Dust protection Mask

S	aftv	Shoe	es

40.0

3.36

			Ser	ies		
SCG SmartBOARD	Thickness (mm.)	Width x Length (mm.)	Squared Edge	Tapered Edge	Weight (kg./pc.)	Effective Area (sq.m.
Lite		603 x 1213	•	_	3.6	0.73
	3.2	610 x 1220 (2'x4')	•	-	3.6	0.74
	0.2	1220 x 1220 (4'x4')	•	-	7.2	1.49
		600 x 2400	•	-	7.6	1.44
	3.5	1200 x 1200	•	-	7.6	1.44
		1200 x 2400	•	-	15.2	2.88
		603 x 1210	•	-	3.9	0.73
		610 x 1220 (2'x4')	•	-	4.0	0.74
		1220 x 1220 (4'x4')	•	-	7.9	1.49
		1220 x 2400 (4'x8')	•	-	15.8	2.97
		600 x 1200	•	-	4.4	0.72
		600 x 2400	•	-	8.7	1.44
		1200 x 1200		_	8.7	1.44
	4	1200 x 2400	•	_	17.4	2.88
	7	610 x 610 (2'x2')		_	2.3	0.37
		1220 x 1220 (4'x4')		_	9.0	1.49
		1220 x 2400 (4'x8')		_	18.0	2.97
Squred Edge	4.5	1220 x 2400 (4'x8')	•	_	20.2	2.97
	4.0	1200 x 2400 (4 x8)	•		26.1	2.88
	6	1220 x 2440 (4'x8')	•	_	27.0	2.00
		1200 x 2400 (4 x8)	•		34.8	2.88
	8	1200 x 2400	•		40.2	3.36
	0			-	36.0	2.97
		1220 x 2440 (4'x8') 1200 x 2400	•	-	39.2	2.88
	9			-	40.0	2.88
		1220 x 2440 (4'x8')	•		43.5	2.88
	10	1200 x 2400		-		
	12	1220 x 2440 (4'x8')	•	-	44.9	2.97
		1200 x 2400		-	52.2	2.88
		1220 x 2440 (4'x8')	•		53.9	2.97
	16	1200 x 2400		-	69.6	2.88
		1200 x 3000		-	87.0	3.60
		1220 x 2440 (4'x8')	•	-	72.0	2.97
	18	1200 x 2400		-	78.3	2.88
		1220 x 2440 (4'x8')	•	-	81.0	2.97
Tapered Edge	5.5	1200 x 2400	•	4 side	24.0	2.88
	6	1200 x 2400	•	4 side	25.8	2.88
		1220 x 2440 (4'x8')	•	2 side	26.7	2.97
	8	1200 x 2800	•	2 side	40.2	3.36
	12	1220 x 2440 (4'x8')	•	2 side	53.6	2.97
Timber Texture	4	600 x 2400	•	-	7.1	1.44
		1200 x 1200	•	-	7.6	1.44
		1200 x 2400	•	-	15.2	2.88
Vood Grain, 3-Inch Lining, Ventilated, /entilated Wood Grain, Ventilated 3-Inch Lining	4	600 x 1200	•	-	5.0	0.72
6-inch Square Lining Wood Grain (Golden Teak Color)	6	600 x 3000	•	-	11.2	1.80
	8	600 x 3000	•	-	15.0	1.80

1200 x 2800

8

Specification for Installation of SCG SmartBOARD

A Caution

• Do not use as any building's structure or other purposes. The installation shall follow the Installation Manual and use only the standard equipments made by producer.

• Do not eat



Attention to avoid danger

• The Products of **SCG SmartBOARD** are designed, while the operation methods are specified to suit with the working condition in Thailand only. Any application outside Thailand is considered to be direct responsibility of the designer, construction supervisor, and installer.

For Designer

- All properties shown in this document are the average values from the testing of products which are in accordance with the specified standards by sampling the products during period before the product distribution. Any transportation, application, or any procedures
- relating to the products such as exposing the products to the sunshine or submerging in water in long period shall result in altering of product properties.Specifications for any installation are only the basic recommendation for general application. The Method for Installation and applied structure shall consider from the standard code of building in such country, and shall be direct responsibility of designer and supervisor.
- Application of product which is not specified in the Installation Manual shall be direct responsibility of designer and construction supervisor.

For Installer and User

- Specifications for any installation are only the basic recommendation for general application. The Method for Installation and applied structure shall consider from the standard code of building in such country, and shall be direct responsibility of designer and supervisor.
- Application of product which is not specified in the Installation Manual shall be consulted with the architect or designer engineer.

Recommendation for Safety Operation

- SCG SmartBOARD has composed by the silica. Cutting, grinding, drilling, or polishing of the product shall result in flying dust. If any person accidentally eat or inhale in a considerable amount or in long period it shall harm the respiratory system or body of that person.
- The cutting, grinding, drilling, or polishing of the product shall carried out in good ventilated area, and avoid to use the machine for cutting, grinding, drilling, or polishing of the product which resulting in high amount of dust.
- Wear the Personal Safty Equipment which is in accordance to the standards, such as dust protection mask, safety goggle, clothes, glove, shoes etc.
- Not allow any person who does not wear the Personal Protection Equipment which is in accordance to the standards, or any person who is not concerning with the work into working area in order to avoid any possible accident or injury.
- Lifting or transportation of products shall be carried out with special attention. Do not bend down one's back to lift the product nor twist oneself or change direction during lifting, and avoid working continuously in long period in order to avoid injury and fatigue.
- The person who has to perform lifting must carry out by lowing oneself and hold the products firmly, then apply legsi power to lift.
- Cleaning of the working area after complete the cutting, grinding, drilling, or polishing of the product shall be carried out by vacuum machine, then the dust container shall be sealed completely, or cleaned by water. Do not sweep because this can cause spreading of dust.
- Separate and collect the debris occurred from installation, reparation, dismantle of products with special attention, and eradicate with appropriate methods which specified by government service.
- Clean oneself body with clean water after complete the cutting, grinding, drilling, or polishing of the product.

First Aid

• If the dust or any material debris accidentally entered the eye, do not scrub or crush. Clean with clean water several times, and consult the physician immediately.

Verify that all methods are following the most update of Installation Manual of Products

• Installation Manual of Products is always updated. The designer, construction supervisor, and installer shall verify that all methods being used are following the most update of Installation Manual of Products. They can confirm by the website : www.siamfibrecement.com



