SCG

SCG Smartboard

HYPER FIBER TECHNOLOGY

"Trusted Strength & Smart Choice"



- Tough & Strong
- Termite-Free
- Save Time & Costs



Suitable Applications:

- Ceiling
- Wall
- Floor

Verified by Certification

EPD® THE INTERNATIONAL EPD® SYSTEM

GREEN CHOICE

MS SIRIM

PLS Listed LIC: 00379 TÜV SÜD PSB

QUATEST 3®

ASTM INTERNATIONAL

Brand Age 2026 THAILAND'S MOST ADMIRED BRAND

No.1 Brand Thailand 2026

SCG Smartboard HYPER FIBER

SPECIFICATION AND STANDARD

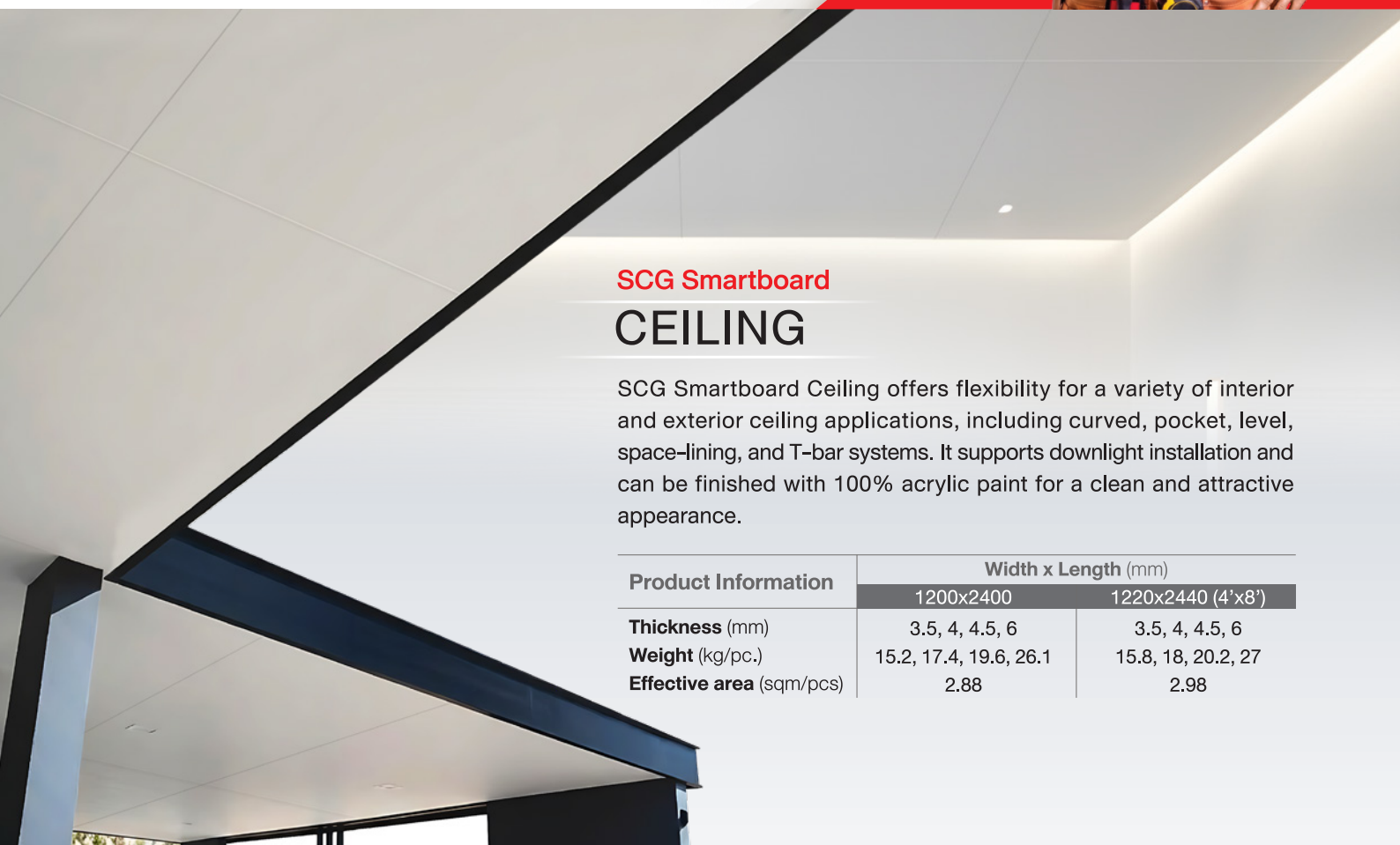
SPECIFICATION	TEST VALUE	STANDARD
PHYSICAL PROPERTIES		
Density	1300 + 50 kg/m3	ASTM C 1185
Modulus of rupture (Wet condition)	> 7 MPa	ASTM C 1185
Sound resistance (STC)	38-61[1] dB	Marshall Day program
Thermal conductivity	0.134W/m.K	ASTM C 518
Water absorption	<35%	ASTM C 1185
Length change due to water absorption	≤0.12%	JIS A 5414
Moisture movement	0.06%	MS 1296
pH value	7-8	Litmus test
Thickness tolerance	Pass	ASTM C 1186
DURABILITY PROPERTIES		
Freeze/Thaw resistance	Pass	ASTM C 1185
Water permeability	Pass	AS/NZS 2908.2
Warm water resistance	Pass	AS/NZS 2908.2
Soak/Dry resistance	Pass	AS/NZS 2908.2
Heat/Rain resistance	Pass	AS/NZS 2908.2
FIRE RESISTANCE PROPERTIES		
Smoke index	Class A	ASTM E84-17
Flame spread index (FSI)	0	ASTM E84-17
Smoke developed index (SDI)	0	ASTM E84-17
Non-combustibility test	Non-combustible	BS 476 Part 4
Ignitablility	Pass	BS 476 Part 5
Fire propagation index	I = 0	BS 476 Part 6
Surface spread of flame	Class 1	BS 476 Part 7
Fire resistance system	60-180[2] mins	BS 476 Part 20-22
Single burning item	Pass	EN 13823: 2010
Fire classification	A1-s1, d0	EN 13501-1
OTHER		
Bending radius (Thickness 4/6/8 mm)	1.2 / 1.8 / 3.0 m	

1. The STC value is derived from the Marshall Day Program with a tolerance of ± 3STC
2. Selected system



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SCG Smartboard
CEILING

SCG Smartboard Ceiling offers flexibility for a variety of interior and exterior ceiling applications, including curved, pocket, level, space-lining, and T-bar systems. It supports downlight installation and can be finished with 100% acrylic paint for a clean and attractive appearance.

Product Information	Width x Length (mm)	
	1200x2400	1220x2440 (4'x8')
Thickness (mm)	3.5, 4, 4.5, 6	3.5, 4, 4.5, 6
Weight (kg/pc.)	15.2, 17.4, 19.6, 26.1	15.8, 18, 20.2, 27
Effective area (sqm/pcs)	2.88	2.98

SCG Smartboard

WALL

Structural strength, termite resistance, and easy installation
SCG Smartboard is a reliable solution for both interior and exterior wall and partition applications, especially for home improvement and renovation projects.

- **Structural strength:** Engineered for strong and stable performance, supporting everyday wall usage with confidence.
- **Termite resistance:** Resistant to termite damage, helping maintain long-term durability without deterioration from pests.
- **Fast and easy installation:** The wall system installs up to 5 times faster than conventional masonry walls and requires fewer steps. It is lightweight and does not require structural support, making the total system about 15% lighter than brick and mortar walls.

Product Information	Width x Length (mm)	
	1200x2400	1220x2440 (4'x8')
Thickness (mm)	8, 9, 10, 12	8, 9, 10, 12
Weight (kg/pc.)	34.8, 39.2, 43.5, 52.2	36, 40.4, 45, 54
Effective area (sqm/pcs)	2.88	2.98









SCG Smartboard

FLOOR

Strong structural performance, durability, and easy installation

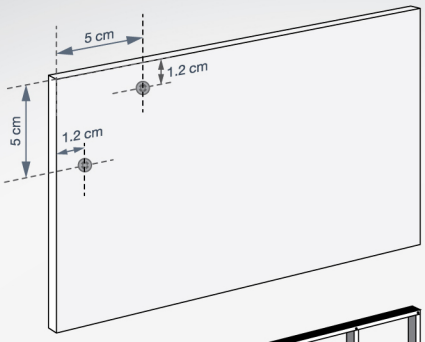
- **Strong structural performance:** Designed to support loads up to 500 kgs/sq.m with reliable strength for various applications.
- **Efficient installation & cost saving benefits:** Compared to conventional concrete floors, SCG Smartboard Flooring is significantly lighter and requires fewer installation steps.This helps reduce construction time, labor effort, and overall project cost. The lightweight system also improves handling efficiency on site, making installation faster and more practical for contractors.
- **Suitable for:**
  - Buildings that require fast construction such as hotels, resorts, and restaurants.
  - Projects where load impact on structure and foundation needs to be minimized.

Product Information	Width x Length (mm)	
	1200x2400	1200x2400 (4'x8')
Thickness (mm)	15, 16, 18, 20	15, 16, 18, 20
Weight (kg/pc.)	65.3, 69.6, 78.3, 87	67.4, 71.9, 80.9, 89.9
Effective area (sqm/pcs)	2.88	2.98

INSTALLATION

Screw fixing for SCG Smartboard HYPER FIBER

First screw fixing space is 5 cm from SCG Smartboard corner and 1.2 cm from edge and fix screws every 20 cm for next screw.

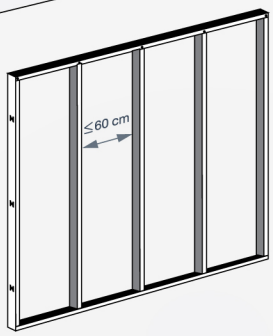


WALL

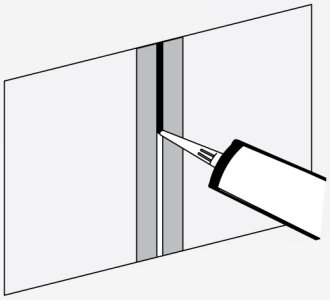
Frame:
SCG Galvanized frame C74, U76, Steel frame

Frame span:
- Interior wall maximum 60 cm
- Exterior wall maximum 60 cm, depends on building height.

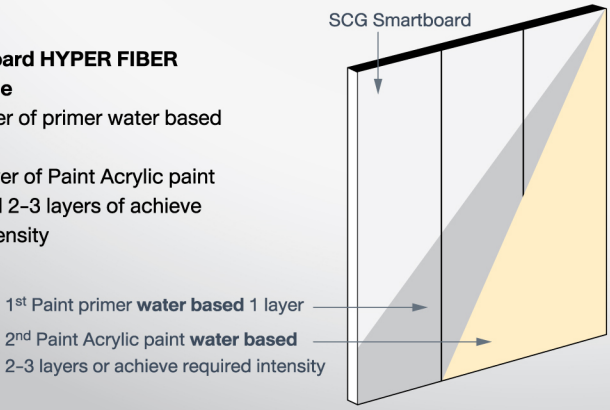
Space lining jointing wall:
- SCG Smartboard Square Edge 8,9, 10, 12 mm
- SCG Polyurethane sealant



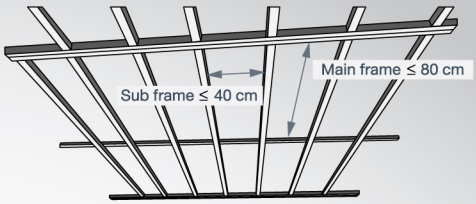
Space lining jointing wall
1. Leave a jointing gap as wide as board thickness.
2. Clean dust and attach tape on SCG Smartboard edge.
3. Seal joint with SCG Smartboard polyurethane joint sealant, wipe off surplus PU and take out tape.



SCG Smartboard HYPER FIBER Painting Guide
1. Coat 1st layer of primer water based 1 layer
2. Coat 2nd layer of Paint Acrylic paint water based 2-3 layers of achieve required intensity



CEILING



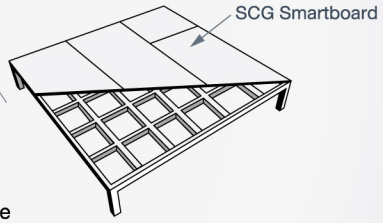
Frame: C-Line No.24
Main frame span: maximum 80 cm
Sub frame span: maximum 40 cm
SCG Smartboard Square Edge 3.5, 4, 6 mm

FLOOR

One way joist

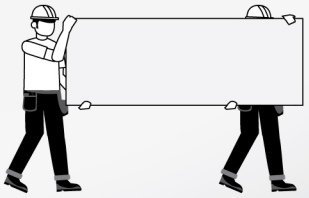


Two way joist

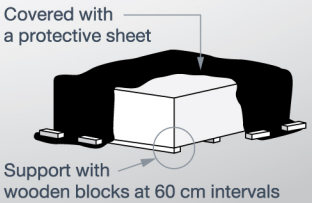


Joist: Steel frame
Frame span: maximum 60 cm *depends on load bearing and building type SCG Smartboard Square Edge 15, 16, 18, 20 mm, SCG Gumcrete

HANDLING & STORING



SCG Smartboard must be carried in vertical direction by at least 2 people carry.



SCG Smartboard must be stored on a pallet or support with timber 1.5x3 inches every 60 cm on dry and levelled floor and covered with tarpaulin.

WARNING Do not use these products as building structures, or parts of a deck or for any purposes that are not advised by SCG. When installing these products, installers must follow every step and criteria provided in the instruction manual and use tools that meet specific standards of the product manufacturer. Do not eat or swallow. Avoid inhaling wood dust generated from sawing, tapering, drilling and sanding. These products should not be installed in areas that are higher than 50 cm. from the ground.

CAUTION The products of SCG Smartboard are designed for working condition in Thailand. Any application or usage outside Thailand must follow and is considered to be responsibility of projects' architect, designer, construction supervisor and installer. These products contain dangerous chemicals. Do not eat, swallow, or touch your eyes. Use protection equipment that meets safe standards during tactical and technical operations. After the use, store it in a secure location and keep it out of children's reach. If experience skin irritation after touching the surface of the wood, wash the irritated area with clean water and seek medical help right away. If eat or swallow, avoid vomiting, drink plenty of water to abate the chemicals, and get medical help right away. All of the criteria for installation are of rudimentary steps for normal usage only. For more in depth specifications for installations and requirements for proper sites and conditions that materials can be used under, please read the standards of "allowable strength design" (E.I.T 1015-40) and criteria for designing building prescribed by the ministerial regulation No. 6 B.E. 2527, which is adopted from "Building Control Act B.E. 2522. Product installation manual is regularly updated. The architect, designer, construction supervisor, and installer shall verify the methods implemented follow the most updated installation manual on the website: https://shorturl.at/pJyY6

- Color shade may vary from real product due to production and printing process

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