

# SCG Smartwood Floor Plank

**Fiber Cement  
Wood Substitute**  
**Non-Asbestos**



**T-Clip**  
Finished Color

**Basic**  
Cream Primer



Fiber Cement Wood Substitute  
Non-Asbestos

**SCG Smartwood Floor Plank** - With quality innovation from selected materials and high standardized processes, SCG Smartwood Floor Plank creates natural look, attractiveness, and confidence of use. Available in two series, SCG Smartwood Floor Plank is definitely the choice for your applications.

### 1 T-Clip

#### Attractive Perfection with Neatness



A neatly color finished wood plank with a screwless-look, easy installation and environmental friendly.

### 2 Basic

#### Durability with Natural Aesthetics

A perfect quality wood plank that reflects natural harmony.



Product	Area of Application	Installation	Dimension (cm.)	Weight (kg./pc)	pcs/sq.m.
<b>T-Clip</b>  Width 8" <small>Patent Design : 1202001163-66 Patent System : 120300444</small>	Interior and Exterior	T-Clip	20 x 300 x 2.5	22.6	1.67
			10 x 300 x 2.5	11.3	3.33
<b>Basic</b>  Width 4" Width 6" Width 8"	Interior and Exterior	C-line or Steel Frame	15 x 300 x 2.5	16.9	2.22
			20 x 300 x 2.5	22.6	1.67

## Quality Selections...from SCG

### 1 Quality...from selected materials and production processes

- High quality cellulose fiber offers a strong, flexible synthetic wood texture.
- SCG Portland cement enhances the durability of SCG Smartwood.
- Pure silica forms strong molecules.
- High temperature and pressure steaming process (Autoclave) combine molecules into a firm texture.

### 2 Quality...special coating technology

- Attractive and durable color from **Color Loc Technology** creates natural wood patterns on surface for a real wood-like touch blended with a smooth color coating to prevent a peeling-off problem for a life usage.

### 3 Quality...applications

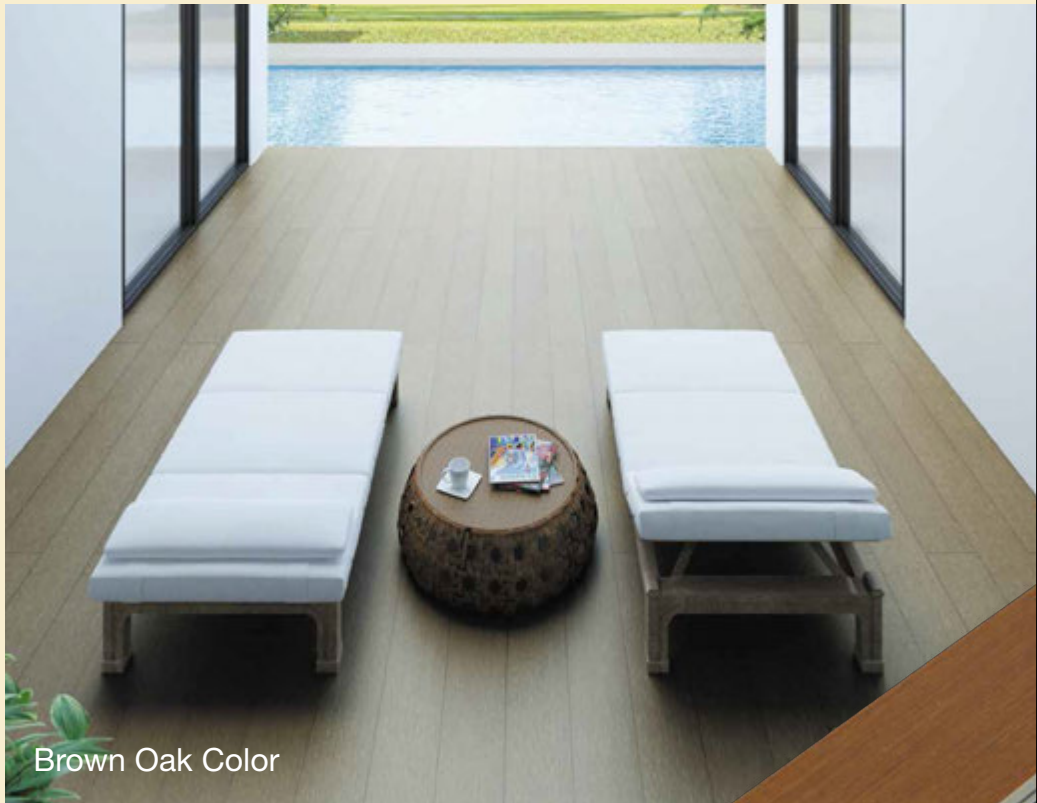
- Resistant to impact and breakage.
- Resistant to sun and rain for interior and exterior use.
- Termite-proof and easy to maintain.
- Attractive wood-like color and texture offering a natural feeling.
- Safe and contains no asbestos.



# SCG Smartwood T-Clip Floor Plank



Natural Beech Color



Brown Oak Color

- **Attractive natural wood-like color**  
Up to 4 layers of prefabricated acrylic coats with 3 shades to choose from: Brown Oak, Natural Beech, and Mahogany.
- **Neat finishing**  
The side groove fits perfectly with T-Clip without any drill marks.
- **Quick and easy installation**  
Safe time of drilling and painting processes.
- **Worthiness, ability to be re-assembled**  
Without damages from drilling.
- **Environment-Friendly**  
Lead-free. Low VOC formula used for SCG Smartwood coating.



Brown Oak



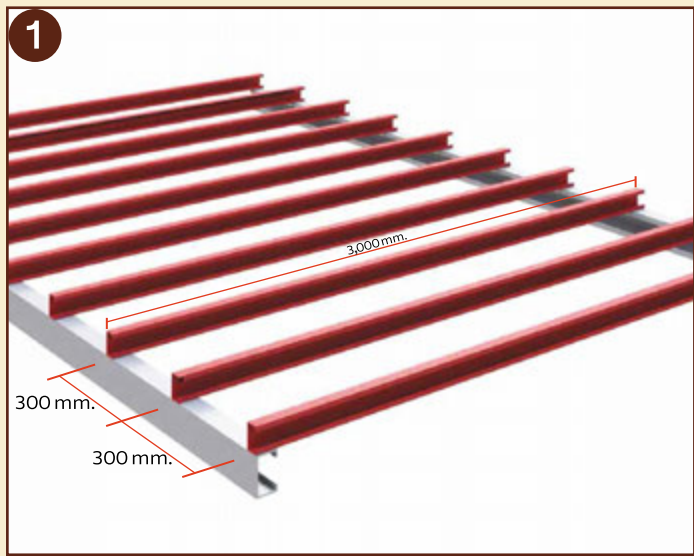
Natural Beech



Mahogany



# SCG Smartwood T-Clip Floor Plank Installation



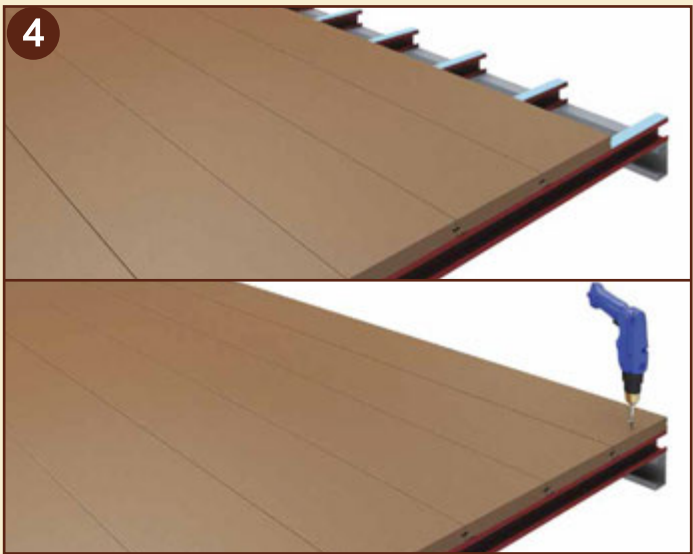
Install steel beam size C-150 x 75 x 20 x 3.2 mm. with 2,500 mm. spacing, and install steel frame size C-100 x 50 x 20 x 3.2 mm. with 300 mm. spacing.



Install T-Clip with 13 mm. self-drilling screws (wafer head) into every steel frame.



Install SCG Smartwood T-Clip Floor Plank onto T-Clip lock. Insert T-Clip into the the installed plank and fix T-Clip lock with the next row of steel frame. Proceed the same until completed.



Measure the stud space and trim to finish the last row. Install with construction glue or adhesive on every steel frame or by drilling screws and covering screw heads. Finish with SCG Smartwood Skirt Board for decoration.

## Accessories for SCG Smartwood T-Clip Floor Plank Installation



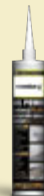
**SCG Self Drilling Screw 13 mm. (wafer head)**

Used for installing T-Clip onto steel joists.



**T-Clip Lock**

Used fixing SCG Smartwood T-Clip Floor Plank on steel joists.



**Construction Glue**

Used for installing the last piece of SCG Smartwood Floor Plank onto steel joists.



# SCG Smartwood Floor Plank



Natural Beech Color



Red Wood Color



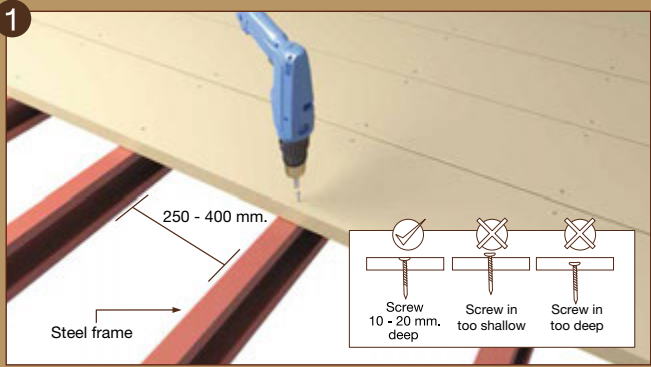
Dark Oak Color

- **For exterior and interior use**  
Weather and termite resistant.
- **Wood-like texture**  
Attractive natural wood grain pattern.
- **Up to 2 layers of prefabricated primer**  
Ready for painting.

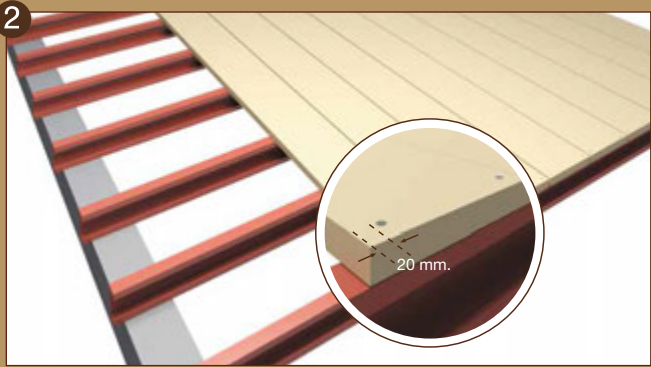


# SCG Smartwood Floor Plank Installation

## Installation on A Steel Frame



Install SCG Smartwood Floor Plank on a steel frame with 250 mm. spacing for 4" series, 300 mm. for 6" series, and 400 mm. for 8" series, with SCG Self Drilling Wing Screw 45 mm.



Fix at minimum 20 mm. from the edge. For 6" and 8" series, drill in 2 screws per position, and for 4" series, drill in 1 screw in the center.

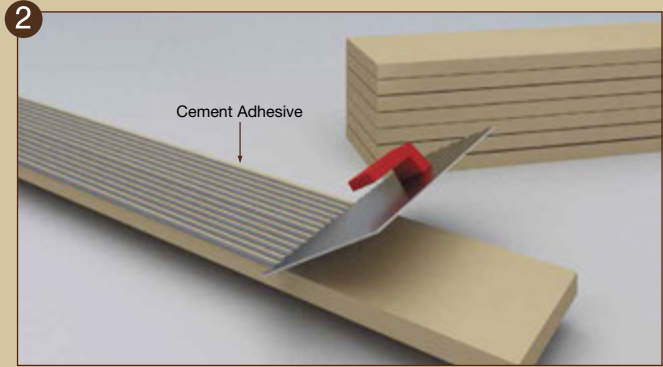


For an extension, extend SCG Smartwood Floor Plank at a steel frame position and seal with SCG Acrylic Sealant. Cover screw heads with SCG Acrylic Sealant, and coat with SCG Acrylic Floor Paint for Fiber Cement.

## Installation on Concrete Floor



Apply cement adhesive on clean concrete floor with a 6-8 mm. notched trowel.



Thinly apply cement adhesive thorough SCG Smartwood Floor Plank.



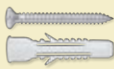
Install SCG Smartwood Floor Plank on the floor covered with cement adhesive and fix with SCG Needle Point Screw 38 mm. and Plastic Insert every 600 mm. Leave the floor to set for about 24 hours and coat with SCG Acrylic Floor Paint for Fiber Cement.

## Accessories for SCG Smartwood Floor Plank Installation



### SCG Self Drilling Wing Screw 45 mm.

Specially designed to fasten SCG Smartwood Floor Plank with a steel frame. Available in common construction material stores.



### SCG Needle Point Screw 38 mm.

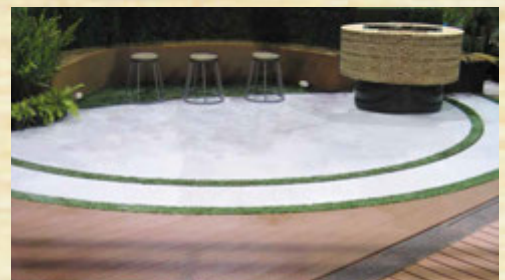
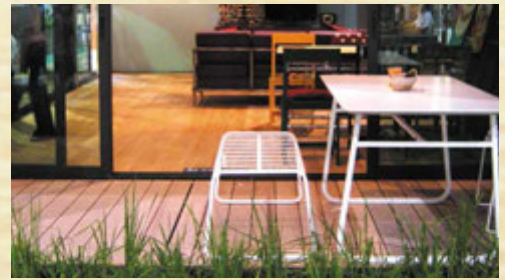
Used with SCG Plastic Insert 37 mm. to fasten SCG Smartwood Floor Plank with concrete floor.

## Painting Instruction

- **Surface Preparation:** Make sure the surface is clean, without dust or any stains and completely dry. In case of repainting, remove previous coated layer before repainting.
- **Primer Coating:** For an aesthetic and neat look, apply one layer coating with Acrylic Primer Paint for Fiber Cement on the floor and leave it for 4-6 hours.
- **Painting:** Apply 2-3 layers of Acrylic Paint for Fiber Cement coating until getting the desired color.
- **Screw Head Sealing:** Cover screw heads with SCG Smartwood Acrylic Sealant. Leave it dry and paint with Acrylic Paint for Fiber Cement.

**Tips:** Use a soft brush to paint quickly lengthwise on each plank.

**Remark** Surface after painting, touchable after 20-30 minutes; recoating after 1-2 hours, and completely dry after 4-6 hours.



## Accessories for SCG Smartwood Floor Plank and T-Clip Installation

### SCG Smartwood Acrylic Sealant

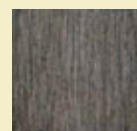
- Used for all types of sealing wood joints and covering screw heads without leaving depressions.
- Excellent heat and moisture resistant for both exterior and interior use.
- Contain 310 ml./tube.



### SCG Acrylic Paint for Fiber Cement Floor Plank

- Used for coating fiber cement floor plank for a smooth sheen like urethane natural wood stain. Resistant to scratches, sunlight, and rain with better cohesive strength than regular formulas.
- 100% transparent acrylic emulsion paint with 4 colors to choose from in either glossy or matte finish.
- Contain 3.785 liters.

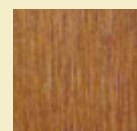
Weight: 3.6 kg./can.



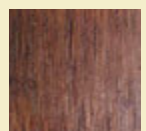
Dark Oak



Natural Beech



Mahogany



Red Wood

#### WARNING

- Do not use SCG Smartwood as a structure for buildings, supports, or other purposes. SCG Smartwood must be installed in compliance with the installation manual, and only standardized accessories from the manufacturer can be used.
- Do not ingest or swallow. Furthermore, the dust from cutting, grinding, drilling or injecting the product must not be inhaled.
- Do not use in areas where are wet or moist at all times.

#### CAUTION

- SCG Smartwood products have been designed suitably for usage conditions in Thailand only. Use outside Thailand is considered as a direct responsibility of the construction designer, the controller or the installer.
- Wood stain products contain chemical substances and cannot be swallowed, ingested or come into contact with eyes.
- While working, use standardized personal safety equipment; Securely close containers after work and keep away from children.
- If any skin irritation occurs, wash off with water and consult a doctor immediately.
- If swallowed or ingested, do not induce vomiting. Drink clean water in order to dilute the chemical and consult a doctor immediately.
- Specifications for installation are only preliminary suggestions for general usage. The installation methods and structures used must be complied with EIT Standard 1015-40 for Steel Structured Buildings and the design specifications in Ministerial Regulations, 6th Edition (1984) issued pursuant to the tenets of the Food Act of 1979.
- Using the products outside of the usage specified in this document is considered as a direct responsibility of the construction designer or the controller.
- The installation manual is subject to change at all times. Construction designers, controllers or installers must check whether the installation manual in their possession is the most recent edition which can be retrieved from <http://www.scgbuildingmaterials.com>