

CONWOOD a beauty of nature



CONWOOD PRODUCTS CATALOG

THE BEST DECORATIVE



***GREEN
INNOVATIVE
PRODUCT***



***FACTORY
INNOVATIVE
PRODUCT***





World Class Production Technology

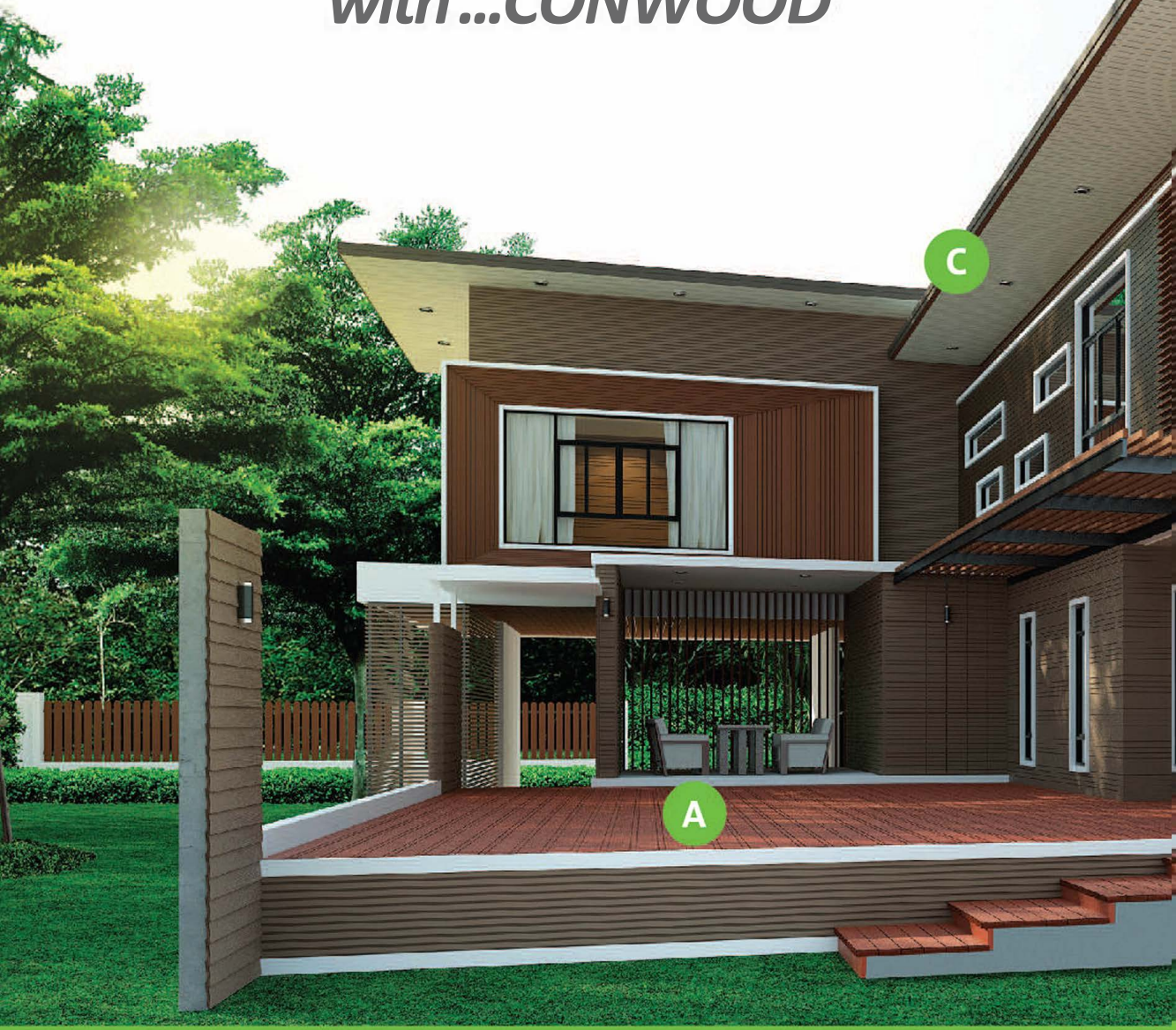
CONWOOD a quality product with high standard and innovative production.

CONWOOD is certified for international standard as a high quality construction and decorative material with latest green production technology from Switzerland. All of its raw material and production process are eco-friendly. Its management system is certified for quality standard ISO 9001, environmental standard ISO 14001 and operational health and safety standard TIS/OHSAS 18001.



CONWOOD is a perfect combination of beauty and strength. It is produced from high quality portland cement and special formula cellulose fibre resulting in a unique propertied product with beauty and flexibility compatible to natural wood but as strong as concrete. The most significant point is its economy compare to natural wood or other similar products. CONWOOD is available from 8 mm thickness. Its quality is verified through every steps of the production process. It is durable to all weather conditions, less weight and cost thus effectively respond to all designs and life styles which cover all needs and functional requirements.

Beautify your house with ...CONWOOD



A wood replacement product which produced from high technology production with particular selected raw materials. It is unique in characteristics with superb aesthetic and durability comparing with natural wood. A termite-free and non combustible product which compatible to any natural woodwork. **CONWOOD** can be applied to any part of residential building ie. wall, floor, eaves, ceiling lath, fence and be practically used in various building decorations.



Beauty as
areal wood



Weather
resistant



Easy to install
& Time-saving



Fire resistant



Termite free



Asbestos free



CONWOOD can beautify any part of your house

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FLOOR APPLICATION

CONWOOD Deck gives you a unique beauty of fine wood grain texture similar to natural wood. It is durable to any weather conditions with 25 mm thickness. **CONWOOD** Deck are available in many sizes ranging from 4 inches, 6 inches and 8 inches in width which can be installed directly on smooth concrete floor and a size of 12 inches in width to be installed on joist. It is also available with a unique T-Lock system which is a screw-free lock system suitable for building extension or decoration work of any office, hotel, restaurant or residential building as the installation process is fast and convenient with good quality finishing in every details.

CONWOOD DECK

CONWOOD DECK T-LOCK

CONWOOD DECORATIVE DECK

CONWOOD DECORATIVE STAIR

CONWOOD MOULD





CONWOOD DECK

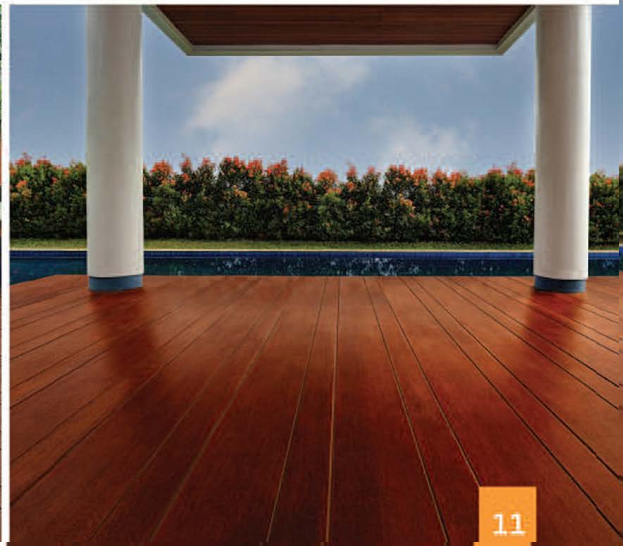
CONWOOD DECK is available with 4 series of texture appearance. All series come with fine wood grain texture similar to natural wood. It can be installed on smooth concrete floor or joist which can endure all kind of weather conditions and gives you more a feeling of natural touch.

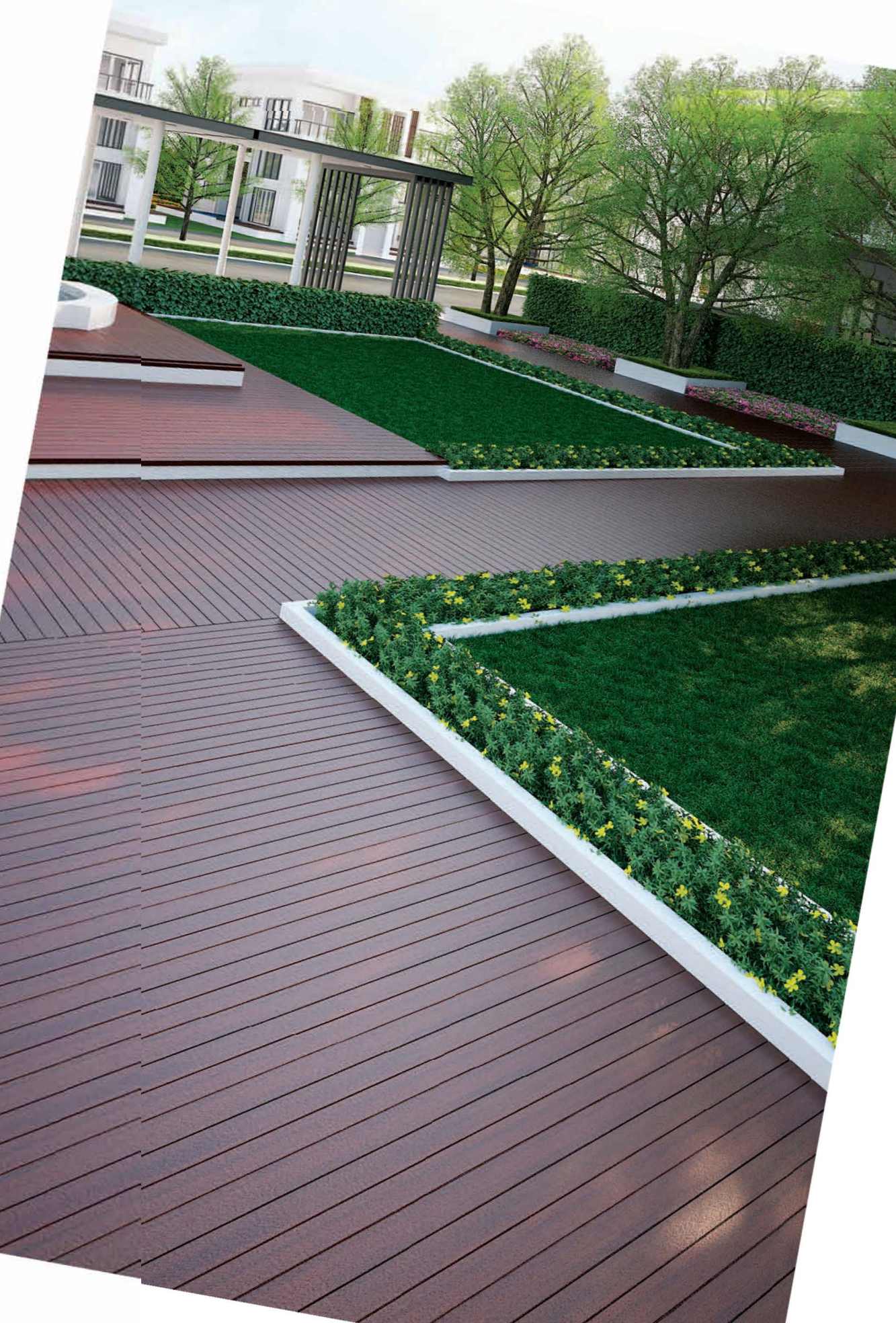
- **Beauty with natural wood appearance**
- **Strong and durable to all weather conditions**
- **Convenient installation on joist or smooth concrete floor**
- **Applicable In-door, Out-door or Landscape decoration**



 Installation o' CONWOOD DECK 1i-, Joist spacing should not exceed 30 cm apart.

Series	Colour	Thickness (m)	Width (m)	Length (m)	Weight (kg/pc)	Piece/m2	Cross section
CONWOOD DECK 4 - 3 in 1	Natural	2.5	30	305	28.8	1.09	
CONWOOD DECK 6- 2 in 1	Natural	2.5	30	305	28.8	1.09	
CONWOOD DECK 1 Y Groove	Natural	2.5	30	305	28.8	1.09	
CONWOOD DECK 1 Y Anti slip	Natural	2.5	30	305	28.8	1.09	

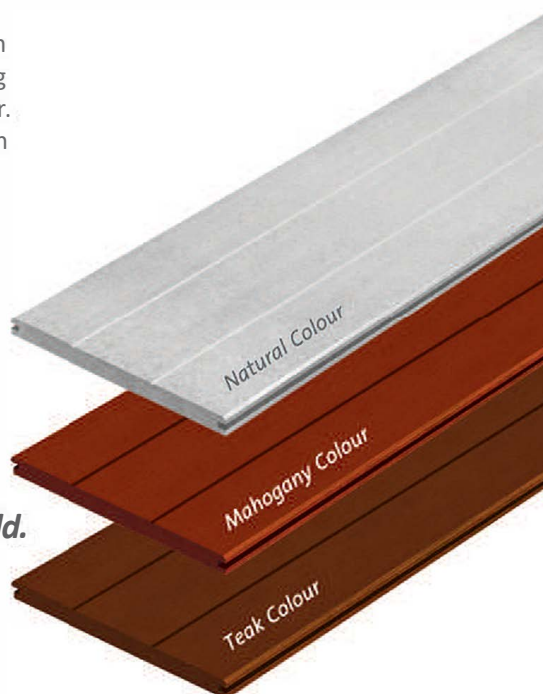




CONWOOD DECK 4" 31NI T-LOCK

Convenient and quick installation by using T-LOCK system instead of conventional drilling and screwing thus reducing unnecessary damages and rectification to the finished floor. Deliver more refined touch and feeling of a natural wooden floor to your house.

- **Flawless beauty with smooth and delicate touch without any screwed marks.**
- **Convenient and quick installation with T-LOCK system.**
- **Flexible to repeated dismantle and rebuild.**



T-LOCK equipment.



A set of equipments

Screw/less installation system for CONWOOD DECK T-LOCK ,,,,,,

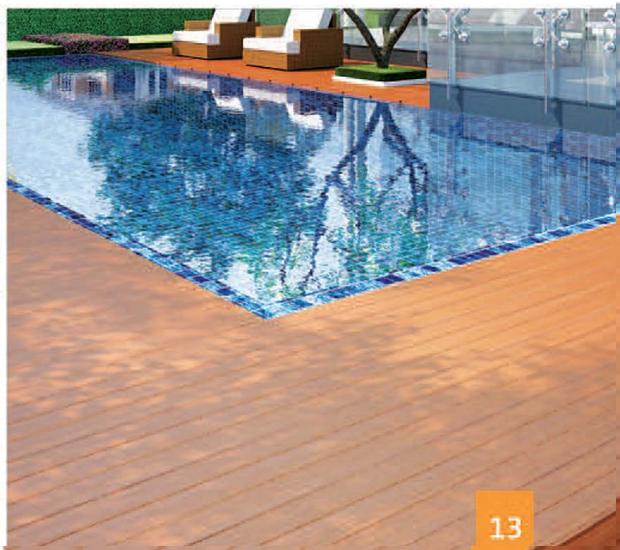
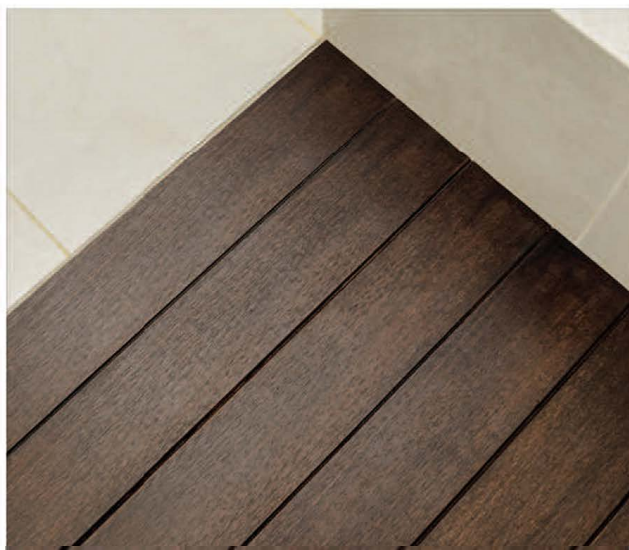
22 sets/box

T-LOCK equipment is available for sale separately



Installation of CONWOOD DECK 4" 31NI T-LOCK, Joist spacing should not exceed 30 cm apart.

Series	Colour	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/piece)	Piece/m ²	Cross section
CONWOOD DECK 4" 31NI T-LOCK	Natural	2.5	30	305	28.8	1.09	
	Mahogany	2.5	30	305	28.8	1.09	
	Teak	2.5	30	305	28.8	1.09	





CONWOOD DECORATIVE DECK

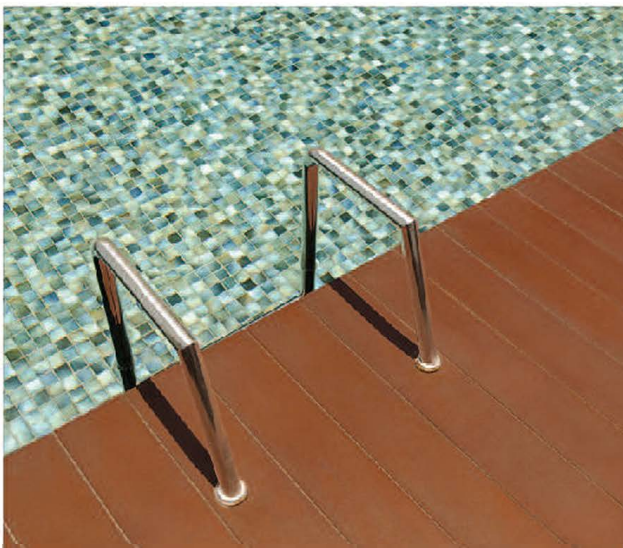
CONWOOD DECORATIVE DECK is a solution to all design creativities with its remarkably fine wood grain texture which is unique and compatible to natural wood. It is a product of high technology production to perfectly respond to all design perspectives. Available in plain or corrugated sheet with various sizes.

- **Beauty with natural wood appearance**
- **Strong and durable to all weather conditions**
- **Light weight and convenient installation**
- **Applicable In-door, Out-door or Landscape decoration**



 **CONWOOD DECK must be installed on flat concrete floor only**

Series	Colour	Thickness (m)	Width (m)	Length (m)	Weight (kg/piece)	Piece/m ²	Cross section
Decorative Deck 4" Corrugate	Natural	2.5	10	305	9.8	3.27	c::::::J
Decorative Deck 4"	Natural	2.5	10	305	9.8	3.27	c::::::J
Decorative Deck 6" Liner	Natural	2.5	15	305	14.7	2.18	
Decorative Deck 6"	Natural	2.5	15	305	14.7	2.18	
Decorative Deck 8"	Natural	2.5	20	305	19.5	1.63	





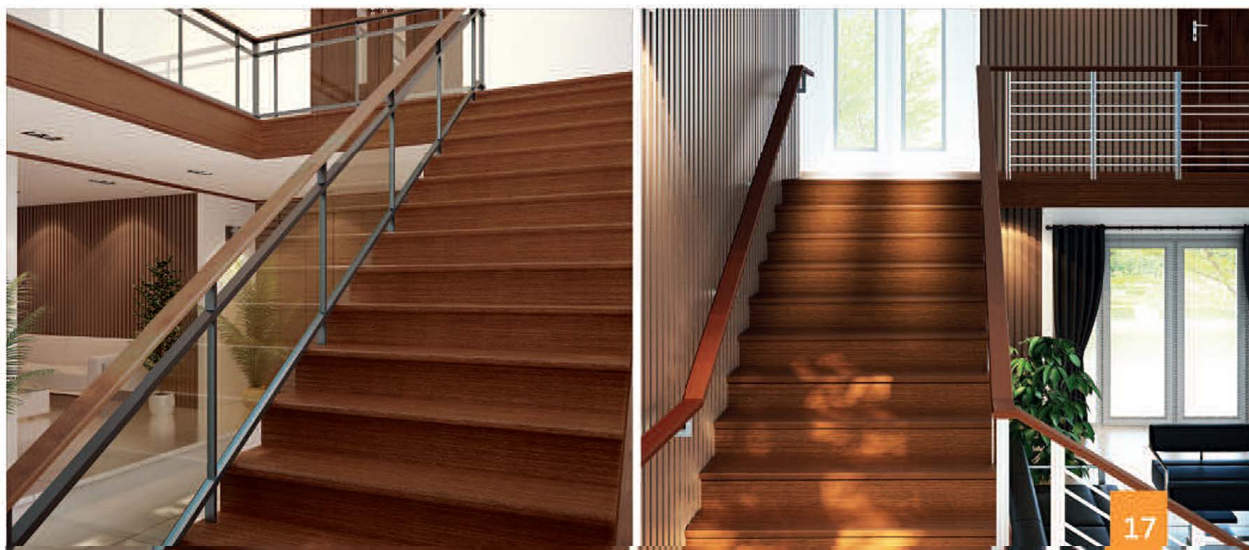
CONWOOD DECORATIVE STAIR

A solution to all staircase designs with its remarkable and unique offine wood grain texture. Give you a splendid touch of natural wood feeling with notable strength to forceful impact suitable for tread finishing material.

- **Beauty appearance similar to natural wood**
- **Durable with notable strength to forceful impact**
- **Available in various dimensions, width and length**
- **Applicable to all kind of staircase decorations**



Series	Colour	Thickness (cm)	Width (cm)	Length (cm)	Weight (kg/ piece)	Cross section
Vertical 7"	Natural	1.6	18	120	4.4	
	Natural	1.6	18	150	5.4	
Vertical 8"	Natural/ Mahogany/ Teak	1.6	20	120	4.9	
Horizontal 10"	Natural	2.5	25	120	9.6	
Horizontal 12"	Natural	2.5	30	120	11.3	
	Natural	2.5	30	150	14.2	
Handrail	Natural/ Mahogany/ Teak	3	8.5	305	9.0	c = : J





CONWOOD MOULD

CONWOOD MOULD can be fixed tightly to any wall with inspiring beauty. It is resistant to moisture and helps to protect dirt and stain from cleaning activity of the floor.

- **Tightly fixed to the wall**
- **Convenient and quick installation**
- **Perfectly match with any kind of the wall**
- **Durable to all weather conditions**



Series	Colour	Thickness (mm)	Width (mm)	length (mm)	Weight (kg/m ³)	Cross Section
Louis	Cream Mahogany Teak	1.1	10	305	4.4	=
		1.4	10	305	5.2	
Classic		1.1	10	305	4.4	=
		1.4	10	305	5.2	





WALL APPLICATION

CONWOOD wall application delivers remarkable beauty through its texture, relief and grooving design to offer unique patterns which can be combined selectively to create various attractive dimensions in any application and installation. It can respond effectively to all designs and creativities either interior or exterior works of new or renovated building for all kind of functions ie. office, hotel, restaurant and residential building. It can be installed easily and quickly to create gimmick and value to your works.

CONWOOD LAP SIDING G SERIES / BG

CONWOOD LAP SIDING C-LOCK

CONWOOD DECORATIVE PANEL

CONWOOD SIDING

CONWOOD DECORATIVE PANEL ECP

CONWOOD DOOR FRAME



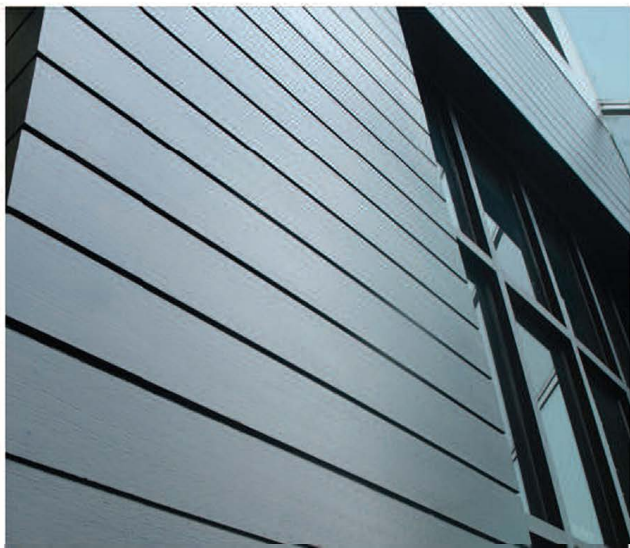
CONWOOD LAP SIDING G-SERIES / BG

CONWOOD LAP SIDING G-SERIES / BG possess its beauty through modern design. Available in 5 series with groove and rabbet at its edge for convenient and quick installation, resulting in a smooth and tight adjoining joint

- *Modern design with various application as you wish*
- *Quick and convenient installation with lap siding system.*
- *Beauty appearance as natural wood*
- *Applicable to interior and exterior works*



Series	Colour	Thickness (cm)	Width (cm)	Length (cm)	Weight (kg/piece)	NMI	Cross section
Lap Siding G0	Cream	1.1	20	305	9.0	1.63	
Lap Siding G1	Cream	1.1	20	305	8.9	1.63	
Lap Siding G2	Cream	1.1	20	305	8.7	1.63	
Lap Siding G5	Cream	1.1	20	305	8.2	1.63	
Lap Siding BG	Cream	1.1	15	305	6.9	2.15	

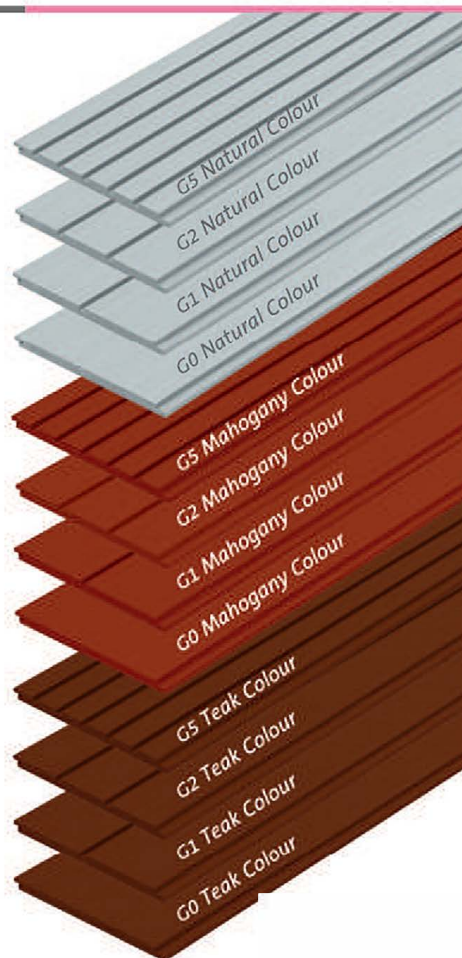




CONWOOD LAP SIDING C-LOCK

Modern design with variety of grooving patterns. A new dimension of wall decoration comes together with a new installation system by (-LOCK which makes it easy and convenient. **CONWOOD LAP SIDING (-LOCK** offers you a flawless beauty with smooth and delicate touch without any screwed marks. It also helps make your house cool down by a ventilation space between the wall and **CONWOOD LAP SIDING**. Applicable to both interior and exterior decoration.

- **Modern design appearance with many design application as your wish**
- **Easy and quick installation with C-LOCK system**
- **Cool your house with extra ventilation through decorated wall**
- **Applicable to all interior and exterior works**



C-LOCK equipment

A set of equipments

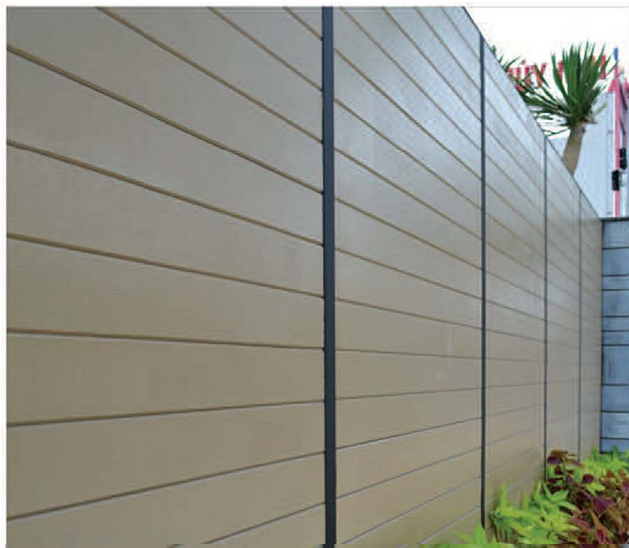
Screwless Installation system for CONWOOD LAP SIDING C-LOCK series

36sets/box

C-LOCK equipment is available for sales separately



Series	Colour	Thickness (cm)	Width (cm)	Length (cm)	Weight (kg/piece)	Piece/m ²	Cross section
C-LOCK G0	Natural Mahogany Teak	1.1	20	305	8.4	1.63	
C-LOCK G1		1.1	20	305	8.2	1.63	
C-LOCK G2		1.1	20	305	8.1	1.63	
C-LOCK G5		1.1	20	305	7.6	1.63	

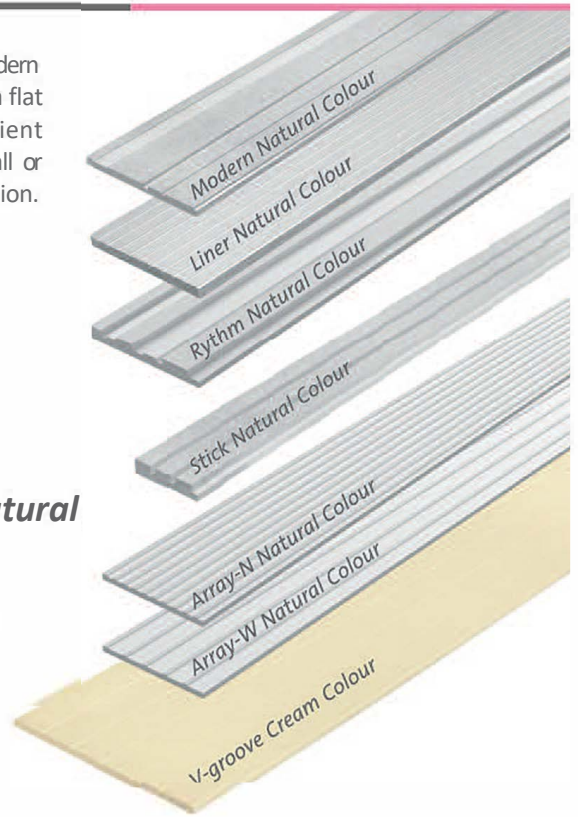




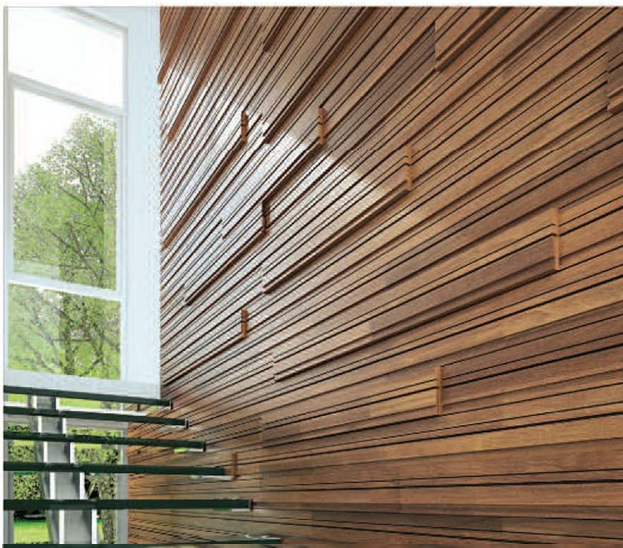
CONWOOD DECORATIVE PANEL

Unique with its continuous grooving line suitable for modern design to achieve a luxury appearance. Effectively turn a flat wall into an elegant one with dimensions. Convenient installation with screw system either directly on brick wall or on laths to create different patterns upon your imagination.

- **Modern design which help create dimensions to the wall**
- **Save time and reduce cost**
- **Similar effect to combination of natural wood in different sizes**
- **Applicable to interior and exterior works**



Series	Colour	Thickness (m)	Width (cm)	Length (cm)	Weight (kg/piece)	Piece/m ²	Cross section
Modern	Natural	1.6	20	150	5.7	3.33	
Liner	Natural	1.1	15	305	6.4	2.18	
Rythm	Natural	1.6	20	150	4.9	3.30	
Stick	Natural	2.5	10	305	8.2	3.27	
Array-N	Natural	1.1	20	150	3.8	3.33	
Array-W	Natural	1.1	20	150	3.6	3.33	
V-groove	Cream	1.1	30.5	305	12.8	1.07	

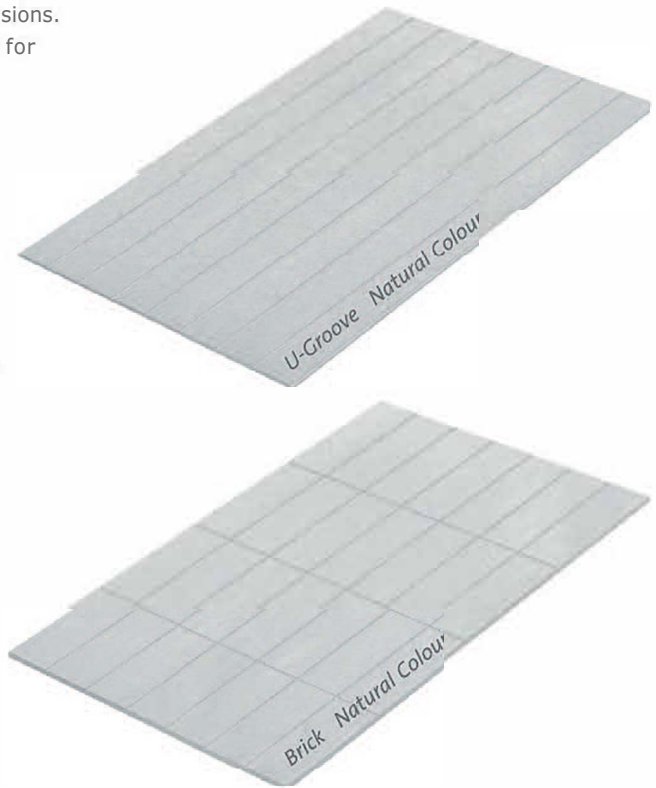




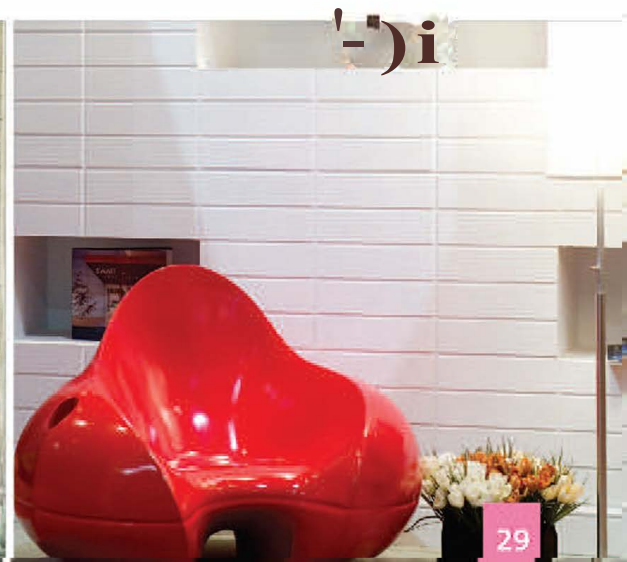
CONWOOD DECORATIVE PANEL

Uniqued pattern with its groove lines creating fascinated and realistic shade and shadow in every dimensions. Durable product with quick installation suitable for indoor and outdoor application.

- **Create new dimension to the wall with its modern-styled groove lines**
- **Convenient installation to all type of the walls**
- **Strong and durable without any twist**
- **Applicable to interior or exterior works**



Seri	Colour	Width (cm)	Length (cm)	Weight (kg/piece)	Piece/m ²	Cross section
U-groove	Natural	1.1	60	120	10.5	1.38
Brick	Natural	1.1	60	120	10.5	1.38





CONWOOD SIDING

With its elaborate and quality production process in every steps. **CONWOOD SIDING** offers you classic texture of grain and wood which responds to all creativity of wall decoration designs for both interior and exterior works.

- **Available in grain and wood texture**
- **Strong and durable to all weather conditions**
- **Applicable to interior and exterior works**
- **Beautiful appearance as natural wood**



Seri	Colour	Width (cm)	Length (cm)	Weight (kg/piece)	Piece/m ²	Cross section	
Siding	Cream	0.8	15	305	5.0	2.62	
Siding Karaked	Natural	0.8	15	305	5.0	2.62	

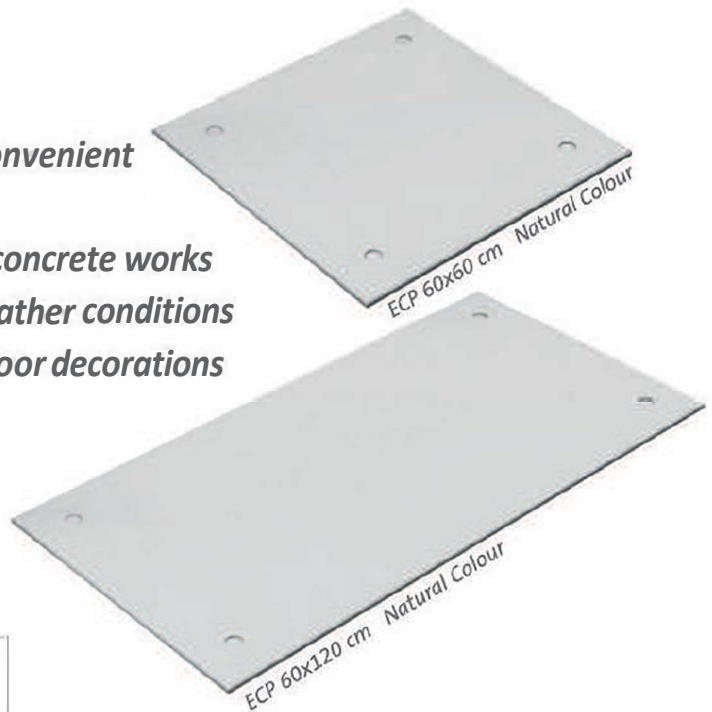




CONWOOD DECORATIVE PANEL ECP

New alternative of home decoration with **CONWOOD DECORATIVE PANEL ECP** which focuses on raw material exposure and cement texture. It helps save your time and cost through its light-weight and convenient installation. Suitable to both interior and exterior decorative works.

- **Beauty, Light-weight and Convenient installation**
- **Similar appearance to bare concrete works**
- **Strong and durable to all weather conditions**
- **Applicable to indoor or outdoor decorations**



Series	Colour	Thickness (cm)	Width (cm)	Length (cm)		Piece/m ²	Cross section
ECP 60x60 cm	Natural	1.1	60	60	4.9	2.77	
ECP 60x120 cm	Natural	1.1	60	120	9.9	1.38	

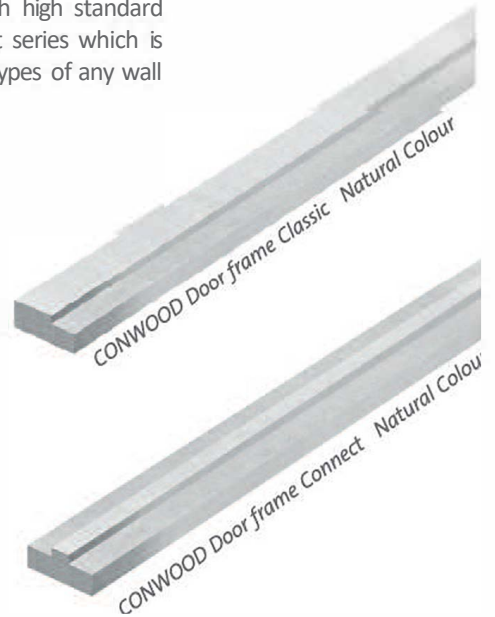




CONWOOD DOOR FRAME

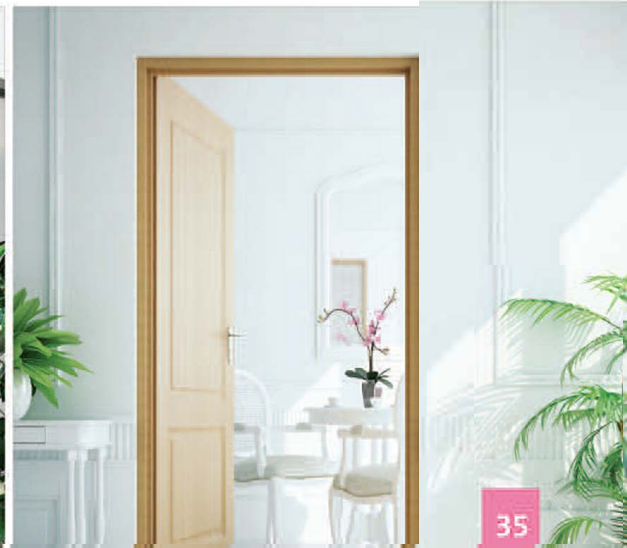
CONWOOD DOOR FRAME is produced by a quality production with high standard responding to all need of creativities. It comes also with Connect series which is able to install a door on both sides of its frame. Applicable to all types of any wall and free from bending cause by moisture problem.

- *Applicable to all type of the walls*
- *Applicable to all kind of paint works*
- *Strong and durable*
- *Free from bending problem*



- ⚠️
1. Require 4 hinges per door with tight screws for proper installation
 2. Door weight should not exceed 40 kg
 3. Total weight exclude packaging

Series	Product Properties				Height (cm)	Cross section
Classic	Width (cm)	70	80	90	210	
	Weight (kg/piece)	26.86	27.74	30.55	210	
Connect	Width (cm)	70	80	90	210	
	Weight (kg/piece)	23.50	23.98	24.40	210	







EAVE & CEILING APPLICATION

CONWOOD EAVE & CEILING APPLICATION effectively respond to customers' need in the area of product strength, durability which can endure to all weather conditions, Good at linear alignment installation with precisely straight and level without any bending or twisting. It is a valued product with quick and convenient to install thus offers you a beauty of natural wood by its outstanding and exclusive wood grain texture. **CONWOOD** is made of environmentally-friendly raw materials available in many forms and sizes applicable to various style of architectural and decorative works

CONWOOD EAVE 2IN1

CONWOOD EAVE

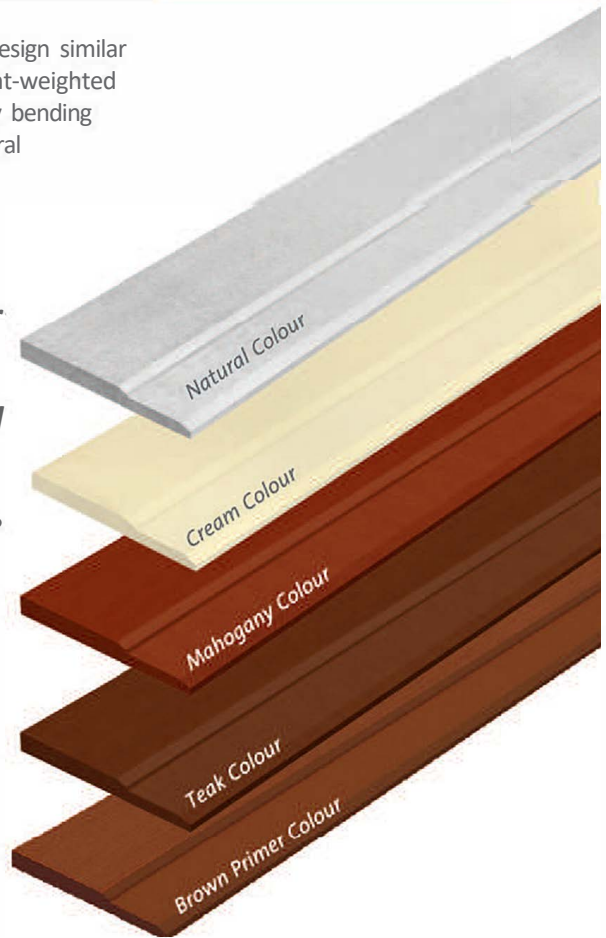
CONWOOD DECORATIVE LATH



CONWOOD EAVE 21NI

CONWOOD EAVE 21NI comes with new quality and design similar effect to two pieces of eave banded together. It is light-weighted and good at linear alignment installation without any bending or twisting. Add more beauty with its texture of natural wood grain perfectly respond to customers' need

- ***Strong and durable to all weather conditions***
- ***Beauty with its precisely level and linear straight***
- ***Two piece appearance in one piece without any connecting joint***
- ***Quick installation to save time and cost***



Series	Colour	Thickness (mm)	Width (mm)	Length (m)	Weight (kg/piece)	Cross section
EAVE 21NI	Natural / Cream / Mahogany/ Teak/ Brown Primer	2.2	23.5	305	17.6	





CONWOOD EAVE

CONWOOD EAVE comes with high quality which can be alignmently installed without any bending or twisting. Resistant to all weather conditions and offers a natural beauty with its wood grain texture appearance.

- *Available in its natural colour or painted.*
- *Strong and durable to all weather conditions.*
- *Applicable to allforms of roofing.*



Series	Colour	Thickness (mm)	Width (mm)	Length (mm)	Weight (kg/piece)	Cross section
EAVE 6"	Natural / Cream / Mahogany/ Teak/	1.6	15	305	9.0	
EAVE 8"	Brown Primer	1.6	20	305	12.1	





CONWOOD DECORATIVE LATH

Reflecting a warmth tone of natural wood and applicable to all styles of house. It is convenient to install and save your time. Durable to all weather conditions and resistant to termite and moisture problem.

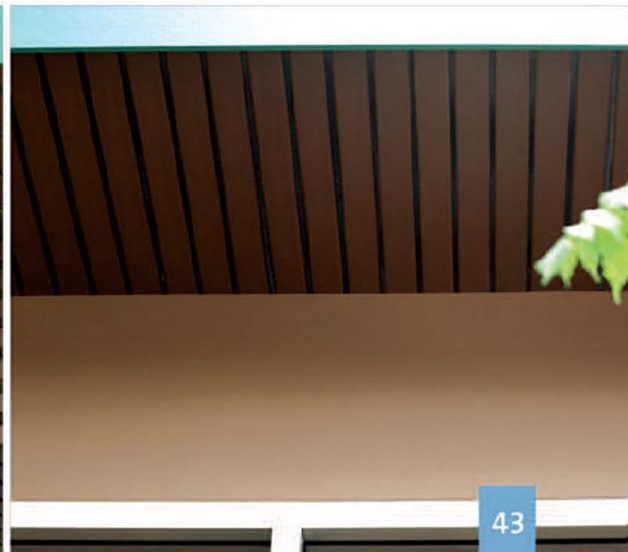
- *Practically use in many applications*
- *Beauty as natural wood for its wood grain texture*
- *Nicely apply to cover eave area*
- *Applicable to interior or exterior works*



CONWOOD Ceiling Border practically uses to cover and finish edges of decorative lath



Series	Colour	Thickness (mm)	Width (mm)	Length (d'f)	Weight (kg/piece)	Piece/m ²	Cross section
CONWOOD Decorative Lath 2"	Cream	1.1	5	305	2.3	6.55	
CONWOOD Decorative Lath 3"	Cream	1.1	7.5	305	3.5	4.37	
CONWOOD Decorative Lath 4"	Cream	1.1	10	305	4.6	3.27	
CONWOOD Ceiling Border	Cream	1.1	5	305	2.3	-	
CONWOOD Lath U-Groove	Natural	0.8	60	120	7.3	1.38	







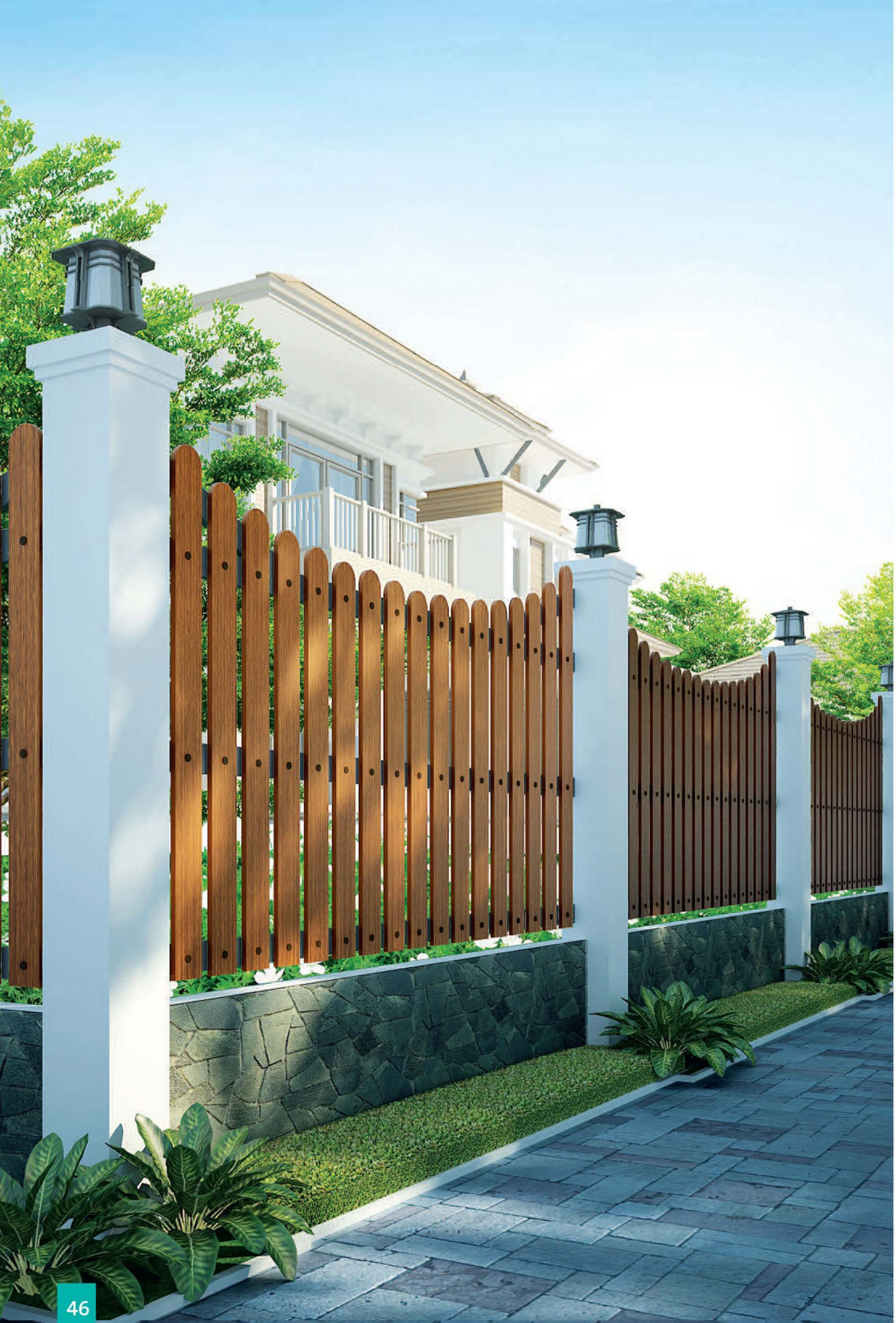
MULTIFUNCTION DECORATIVE APPLICATION

CONWOOD MULTI-FUNCTION DECORATIVE PLANK inclusively respond to imagination and creativity in decorative design. It is applicable indoor and outdoor including landscape works which offer a unique beauty with its wood grain texture similar to natural wood. Resistant to all weather conditions with easy and convenient installation. It is a green product with environmentally-friendly property

CONWOOD FENCE

CONWOOD SUNSHADE

CONWOOD PLANK



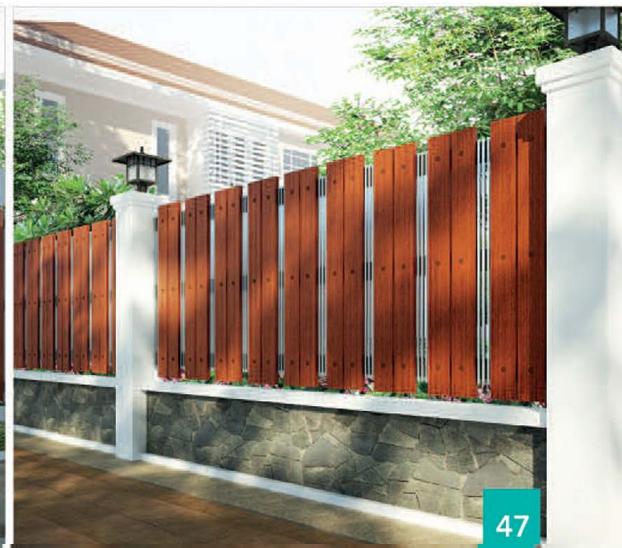
CONWOOD FENCE

Outstanding for its fine wood grain texture which offers a look and touch similar to natural wood together with a remarkable strength and durability resulting from its 16mm thickness

- *Fine wood grain texture similar to natural wood appearance.*
- *Available in painted finishing for quick installation.*
- *Strong and durable with its 16 mm thickness*
- *Resistant to all weather conditions and applicable to all houses*



Series	Colour	Thickness (cm)	Width (cm)	Length (m)	Weight (kg/piece)	Cross section
Botany	Cream/ Mahogany/ Teak	1.6	10	100	2.0	
		1.6	10	150	3.0	
Classic	Cream/ Mahogany/ Teak	1.6	10	100	2.0	
		1.6	10	150	3.1	
	Cream	1.6	10	305	6.3	





CONWOOD SUNSHADE

CONWOOD SUNSHADE is designed to show its beauty of fine wood grain texture similar to natural wood for building decoration thus blending its modern appearance with all building designs

- *Applicable to sunshade blind or other decorative works*
- *Compatible to natural woodfeeling and touch*
- *Applicable to interior and exterior decoration*
- *Resistable to all weather conditions*



Series	Length (cm)	Weight (kg/piece)	Cross section
Sunshade	305	4.1	





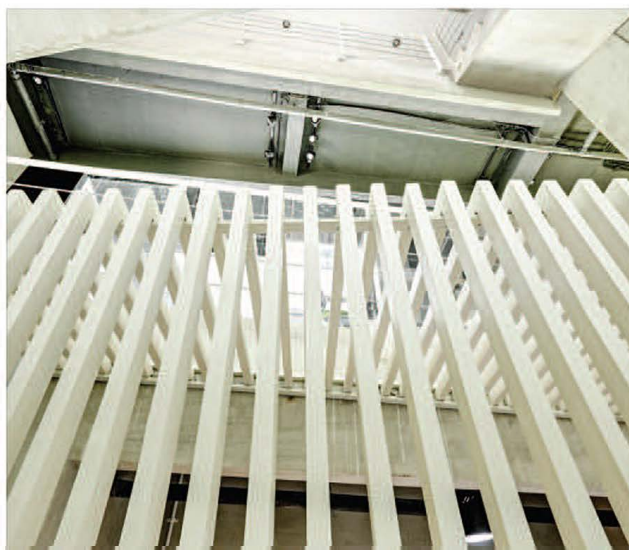
CONWOOD PLANK

CONWOOD PLANK delivers to all designs with easy solutions and creativities. It can be adapted to respond to many functions and gives you a beauty of natural wood with its unique fine wood grain texture suitable for interior and exterior building decoration for example wall and column decoration and pergola.

- *Applicable to multifunctional designs*
- *Fine wood grain texture similar to natural wood*
- *Durable and resistable to all weather conditions*
- *Applicable to indoor and outdoor decorations*

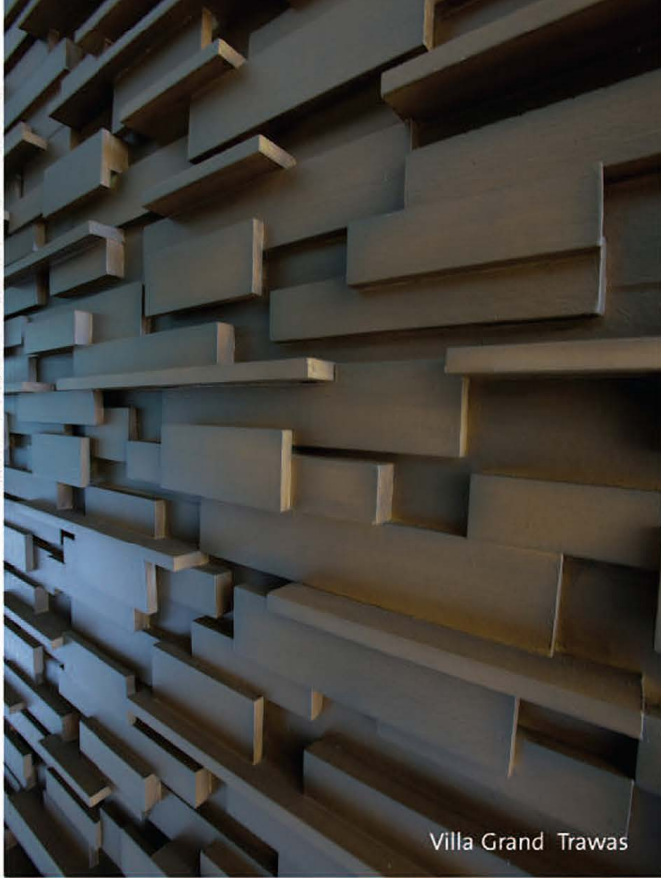


Series	Colour	Thickness (cm)	Width (cm)	Length (cm)	Weight (kg/piece)	Cross section
Plank 2"	Natural	1.6	5	305	3.1	
		2.5	5	305	4.9	
Plank 3"	Natural	2.5	7.5	305	7.3	c = i
Plank 4"	Natural	1.6	10	305	6.3	
		2.5	10	305	9.8	





Phurue KhamKeeree Resort

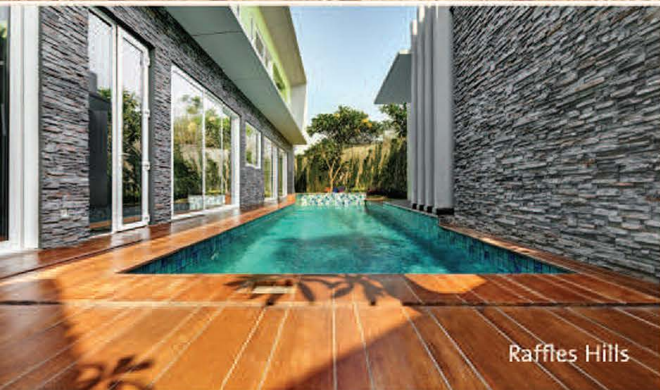


Villa Grand Trawas

CONWOOD LIMITLESS INNOVATIONS



Swiss-bel Inn Seminyak



Raffles Hills



Raintree International School

PROJECT REFERENCES

CONWOOD products have been used as decorative wood replacement materials for interior and exterior decoration in many projects. For exam pie,

- Grand Bangkok Boulevard
- Nantawan
- Nirvana
- The Grand Rhythm



Citraland



Pakuwon Indah Ritz Embassy



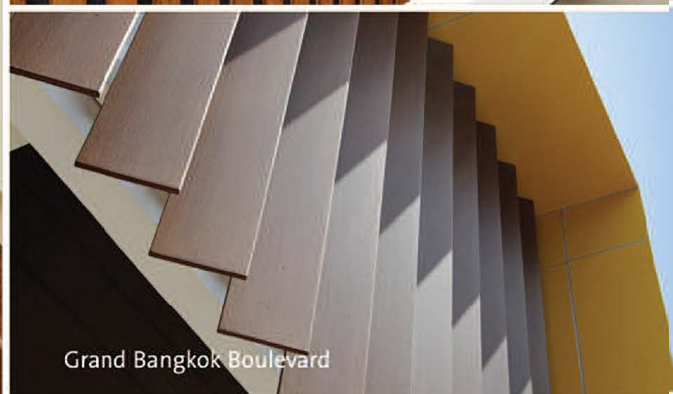
Dewandaru



Grisea Summarecon



McDonald's



Grand Bangkok Boulevard

Kamala Falls Residential Resort
 The Peace
 Cefe Amazon
 Hilton
 Arden

Tara Mantra Prestige
 Thana Village
 Ntrio
 Baan Chidlom
 Airlink Park

Bangkok Patana School
 Starbucks Coffee
 KFC
 Tri Shawa Resort
 Caffè DORO



i-SERVICE
INSTALLATION SERVICE *by* CONWOOD



i-SERVICE by **CONWOOD** will advise and introduce you to select proper **CONWOOD** products that effectively respond to your needs. Providing consultation, installation service, paint work including related support structures by experienced **CONWOOD** technicians.

REASONS TO USE i-SERVICE BY CONWOOD

- ✓ Confidently assured in **CONWOOD** standard quality
- ✓ Controllable budget and related expense
- ✓ Quick and finish on time
- ✓ 1 year - quality guarantee

i-SERVICE conditions

- 1 year quality guarantee
- Minimum installation area at 15 m² or more. Less area will be charged for 15 m²
- All installation details will be in accordant with **CONWOOD** standard specifications.
- Pre-job examination trip will be charged at 500 THB (including VAT) which will be deducted from installation cost upon job agreement.
- Other service rates will be charged according to company standard

TECHNICAL INFORMATION

PHYSICAL PROPERTIES

	Standard	Unit	Test results
Thickness deviation tolerance	ASTM C1185	mm	±1.0
Density	ASTM C1185	g/cm ³	1.26 ± 0.10
Moisture	ASTM C1185	%	5.0 ± 2.0
Water absorption	ASTM C u a s	%	30
Bending resistance	ASTM C1185	MPa	11-15
Water seepage resistance	ASTM C U S S	-	Pass
Dimension deviated by moisture effect	-	%	0.27

FIRE RESISTANCE PROPERTIES

Incombustible	BS 476 Part 5	Pass	Pass
Incombustible index	BS 476 Part6	1	q Pass
Nonflammable surfac	BS 476 Part7	Class 1	Pass
fire resistance	BS 476 Part 22	30 - 60 Minutes*	

*Test of fire resistant wall is subject to standard specification for wall installation of the company

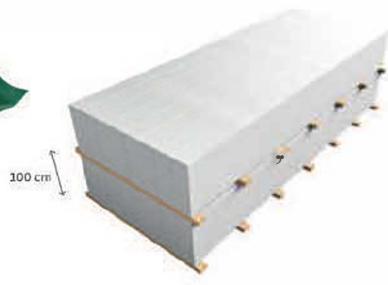
THERMAL RESISTANCE PROPERTIES

Heat conductiveness	ASTM C177	W/m.k	0.184
Heat resistance	BS 475 Part 22	m ² .K/W	0.082

DURABILITY PROPERTIES

freeze /Thaw Resistance	ASTM C1185	Pass	Pass
Warm Water Resistance	ASTM C u a s	Pass	Pass
Heat / Rain Resistance	A5TM C u s s	Pass	Pass
Soak / Dry Resistance	ISO 8336 Part E	Pass	Pass

STORAGE AND TRANSPORTATION OF CONWOOD PRODUCTS



CONWOOD products should be stored on flat level and dry area with 1.5x30 irdlcs wooden supporter at 50 cm spacing. Outdoor storages are adviled to cover with c.lnv.is to protect it from r.ln water and dust,

CONWOOD products should be stored on flat level area with maximum height at 100 cm Supported by hardwood at 50 cm apart.

CONWOOD planks should be carried by at least, **people** and **always placed in vertical position**. It should be **lifted** at a position of **50 cm** from both ends of the plank.

CONWOOD Company, Ltd. is not responsible for the right of use of the CONWOOD products, and the company is not responsible for the damage caused by the use of the products. The company is not responsible for the damage caused by the use of the products.

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PROJECT URL



INNOVATING A BEAUTIFUL PLANET



CONWOOD INSTALLATION MANUAL



Conwood Installation Manual

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Principles of Conwood Installation

Terms and Conditions

1. Do not use Conwood Products as materials for main structure of buildings in any cases.
2. Install Conwood only in accordance with the Company's manual.
3. For installation of Conwood Decks 12' at more than 50 centimeters high (± 0.00 from the ground), always support with boards (supporting boards) before installing Conwood Decks 12' for safety.
4. Do not install Conwood in a constantly wet area.
5. Any paintings on Conwood should be significantly based on each product's painting technique.

For Engineers

1. In designing a multi-purpose building or a building taller than 23 meters, the engineer must consider the wind load.
2. Materials of replacement wood must be installed on frames, in accordance with the Conwood.
3. In joining Conwood, it is important to add frames at the joint to increase surface for fixing to prevent cracks.
4. In joining Conwood, each joint should be located at least 0.5-1.00 centimeters away from each other for expansion when the weather is in high temperature.
5. Conwood in natural color (Cement Color) is suitable to make in a real wood color shade.
6. Always comply with the installation manual for the best benefits and correct application.
7. Use of Conwood products for the purpose not specified in this manual is the responsibility of the engineer.

For Installers and Users

1. Metal size can be changed depending on the supervisor strictly in accordance with the Building Control Act B.E. 2522 (1979) and rules of EIT
2. It is important to fix Conwood at least one inch away from the edge to prevent cracks.
3. In joining Conwood, each joint should be located at least 0.5-1.0 centimeters away from each other.
4. Air nail gun must only be used in installation with natural wooden frames and must only be used with T-head nails
5. Follow these standards for different frame materials:
 - 5.1 For metal frames, it is important to apply anti-rust coat after installation to prolong usage life.
 - 5.2 For natural wooden frames, the wood must be completely dried and coated with anti-termite solution all over after installation to prolong usage life.
6. In cutting, hand saw or circular saw can be used by changing to cement cutting blade.
7. Use safety protection such as masks while cutting to protect yourself from dusts.
8. Screw heads and joints must only be sealed by PU (polyurethane).
9. Do not use materials of gypsum type for sealing.
10. Lift or move the products in correct position with sufficient manpower (at least 2 persons) to prevent injury.
11. In using the products for other purposes, always consult the Company's experts first to prevent damage from usage.

Warnings

- Use Conwood for decoration purpose only such as ceiling, walls and floors. Otherwise, use with supporting boards; always follow installation manual and use only standardized equipment from manufacturing companies. Do not use the products as main structure which directly carries weight.
- Do not eat or put in the mouth and do not inhale dusts from cutting, knocking, grinding, piercing or sanding the products.
- If dusts from cutting get into eyes, wash with water directly. If condition worsens, directly seek medical attention from doctors.

Check if the installation manual used is the latest version

Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, visit www.conwood.co.th



Conwood Products Information/Description

	Color	Thickness (cm.)	Width (cm.)	Length (cm.)	Weight (kg./piece)		
Eave and Ceiling Applications	Conwood Eave 6"	Cream	1.6	15	305	9.00	
	Conwood Eave 8"	Cream	1.6	20	305	12.06	
	Conwood Eave 2 in 1	Cream	2.2	25	305	17.56	
	Conwood Lath 3" Cut	Cream	1.1	75	305	3.45	
	Conwood Ceiling in pieces 4"	Cream	1.1	10	305	4.60	
	Conwood Lath 3" UG	Natural	0.8	60	120	7.28	
Conwood Ceiling Border	Cream	1.1	5	305	230		
Wall Applications	Conwood Siding 5"	Cream	0.8	15	305	5.01	
	Conwood Lap Siding BG	Cream	1.1	15	305	6.89	
	Conwood Lap Siding CD	Cream	1.1	20	305	9.04	
	Conwood Lap Siding G1	Cream	1.1	20	305	8.88	
	Conwood Lap Siding G2	Cream	1.1	20	305	8.71	
	Conwood Decorative Panel V-Groove	Cream	1.1	30.5	305	12.83	
	Conwood Decorative Panel	Natural	1.1	60	120	10.49	
	Conwood Mould louts	Cream	1.1	10	305	4.37	
	Conwood Mould Louis	Cream	1.4	10	305	5.2	
	Conwood Mould Classic	Cream	1.1	10	305	4.17	
	Conwood Mould Classic	Cream	1.4	10	305	5.2	
	Floor Applications	Conwood Decorative Deck 4"	Natural	2.5	10	305	9.76
		Conwood Decorative Deck 6'	Natural	2.5	15	305	14.64
Conwood Decorative Deck 8"		Natural	2.5	20	305	19.52	
Conwood Deck 6" 2 in 1		Natural	2.5	30	305	28.75	
Conwood Deck 4" 3 in 1		Natural	2.5	30	305	28.75	
Conwood Deck 12' Groove		Natural	2.5	30	305	28.75	
Conwood Deck 12" Anti-Slip		Natural	2.5	30	305	28.75	
Conwood Sunshade		Cream	1.4	75	305	4.10	
Decorative Applications	Conwood Plank 2"	Natural	1.6	5	305	3.12	
	Conwood Plank 2"	Natural	2.5	5	305	4.88	
	Conwood Plank 1"	Natural	2.5	10	305	8.22	
	Conwood Fence Botany	Cream	1.6	10	100	1.99	
	Conwood Fence Botany	Cream	1.6	10	150	2.98	
	Conwood Fence Branch	Cream	1.6	10	100	2.05	
	Conwood Fence Arrow	Cream	1.6	10	150	2.98	
	Conwood Fence Standard	Cream	1.6	15	150	3.07	



Installation of Conwood Products

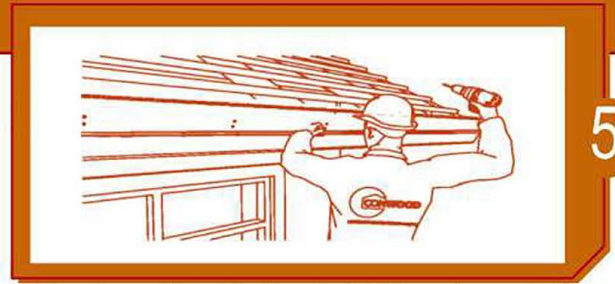
Eave and Ceiling Applications

- Conwood Eave 6" and 8"
- Conwood Eave 2 in 1
- Conwood Lath
- Conwood Ceiling Border

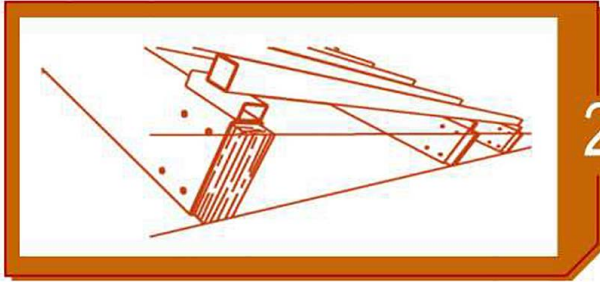
Conwood Eave 6" and 8"



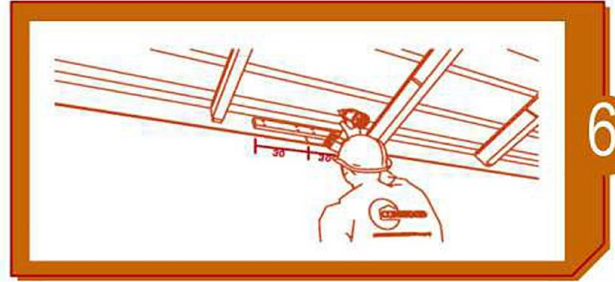
1 Check that the rafters are 1.00-1.20 meter apart. Check that the last purlin is 1 inch above other purlins and drill a hole at the end of the rafter for screws.



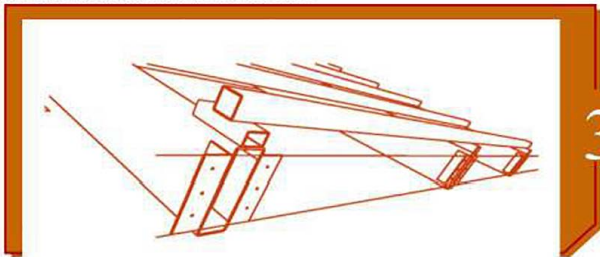
5 Overlap Conwood Eave 6" at least for 2 inches and screw with No.7 drilling screw with 45 millimeter long at every 50 centimeters.



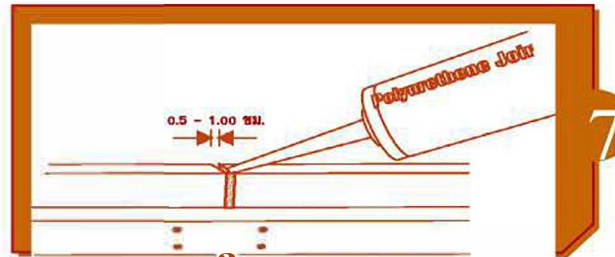
2 For installation of wood fillet, $1\frac{1}{2}'' \times 4''$, 50cm. long, screw the wood fillet at the end of the rafter with No.7 drilling screw with 45mm long or No.10 knot. Adjust the level with chords for both top and bottom to check the level before installation.



6 Join Conwood Eaves by placing them between the rafters with wooden or steel plates at least 3" wide and 60 cm long along the length of the rafters.



3 For installation of steel equal angle of $1\frac{1}{2}'' \times 1\frac{1}{2}''$, 1.6 mm. thick or thicker, fix both sides and adjust the level with chords for both top and bottom to check the level before installation. For galvanized frame, the end of the rafter should be covered.



7 Join Conwood Eaves together and connect the joint by cutting edge at 45 degrees and leave a gap 0.5-1.00 cm. Seal the joint with Polyurethane only (PU).



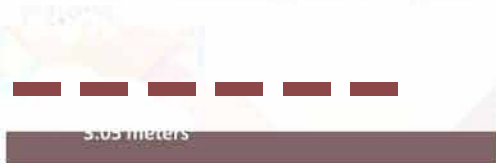
4 Install Conwood Eave 8" first and fix the Conwood Eave 6" at the front with No.7 drilling screws with 45mm long at least 1 inch or 25cm away from the edge before installation.



8 In painting, Conwood products with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times

Remarks:

1. Do not use oil-based paint to coat Conwood Eave 6" and 8" in any cases as the color will swell and flake.
2. Do not apply Conwood Eave as the building's structure as it may cause damages or cracks.
3. Eaves should not be used to support tiles as it may cause damage due to



4. Before drilling the hole with drilling screw bit No.7 (45mm long), recommend to make a hole to hide screw head with wood bit size 7.94mm by making a hole deep 0.5cm then using screw to fix Conwood Eave with structural. Do not press on screw head to avoid the crack problem.

5. In installing eaves, do not fix screw close to the edge as it may later cause cracks. Screws should be fixed at least one inch away from the edge.

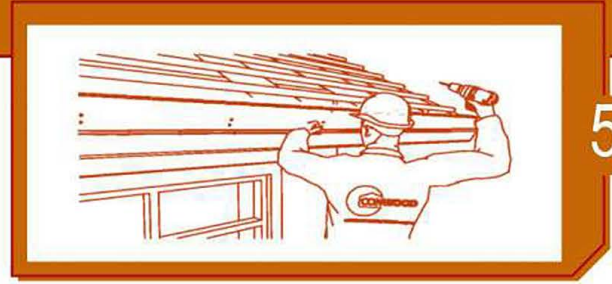
6. For the best installation solution, you must ask or consult technical support before installation.

7. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, can Center 1732 press 4

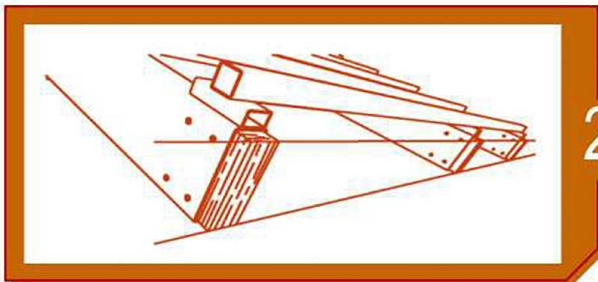
Conwood Eave 2 in 1



Check that the rafters are 1.00-1.20 meter apart. Check that the last purlin is 1 inch above other purlins and drill a hole at the end of the rafter for screws.

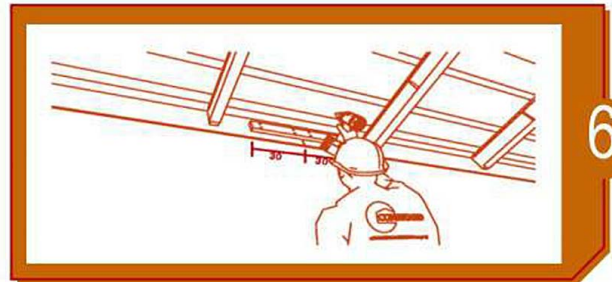


Use No.7 drilling screw with 45mm long to drill holes that are at least 1 inch or 2.5cm away from the wood edge.

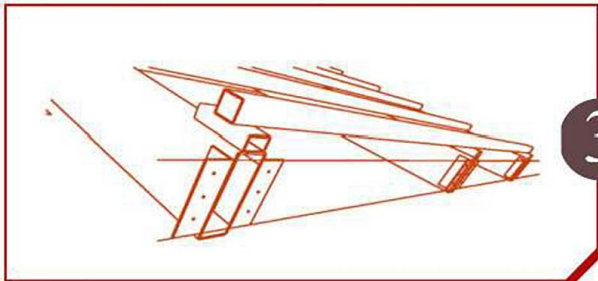


For installation of wood fillet, 1/2" x 4", 50cm. long, screw the wood fillet at the end of the rafter with No. 7 drilling screw with 45mm long or No.10 knot. Adjust the level with chords for both top and bottom to check the level before installation.

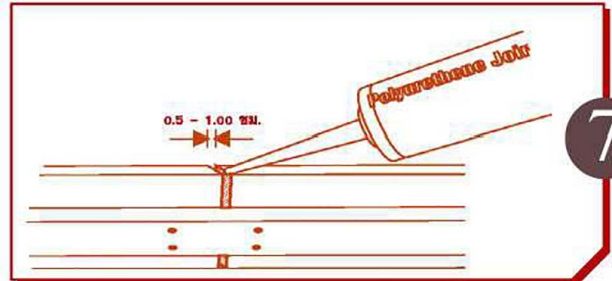
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Join Conwood Eaves by placing them between the rafters with wooden or steel plates at least 3" wide and 60 cm long along the length of the rafters.



For installation of steel equal angle of 1 1/2" x 1 1/2", 1.6 mm. thick thicker, fix both sides and adjust the level with chords for both top and bottom to check the level before installation.



Join Conwood Eaves together and connect the joint by cutting edge at 45 degrees. Leave a gap around 3.5mm. Seal the joint with Polyurethane only (PU).



Install Conwood Eave 2 in 1 by installing at the same level with back of the purlin using No.7 drilling screws with 45mm long.



In painting, Conwood products with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times

Remarks:

- Do not use oil-based paint to coat Conwood Eave 2 in 1 in any cases as the color will swell and flake.
- Do not apply Conwood Eave as the building's structure as it may cause damages or cracks.
- Eaves should not be used to support tiles as it may cause damage due to overloading.

Calculation of usage areas

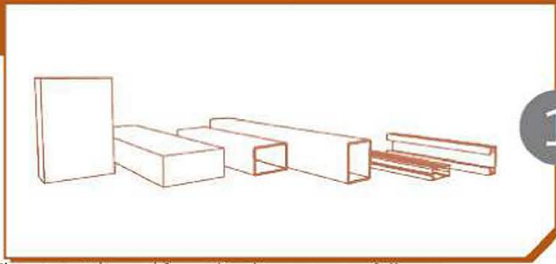
Total usage length (meter) = quantity used (pieces)
3.05 meters

** Calculation of number of Conwood 2 in 1 used per area (meter) is for initial approximation.

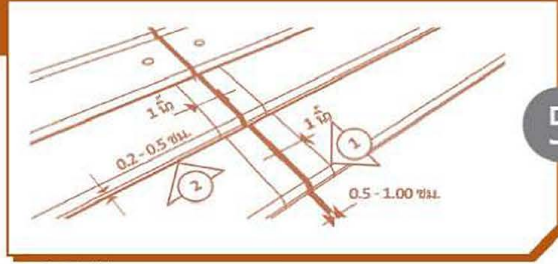
- Before drilling the hole with drilling screw bit No.7 (45mm long), recommend to make a hole to hide screw head with wood bit size 7.94mm by making a hole deep 0.5cm then using screw to fix Conwood Eave with structural. Do not press on screw head to avoid the crack problem.
- In installing eaves, do not fix screw close to the edge as it may later cause cracks. Screws should be fixed at least one inch away from the edge.
- For the best installation solution, you must ask or consult technical support before installation.
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Conwood Lath

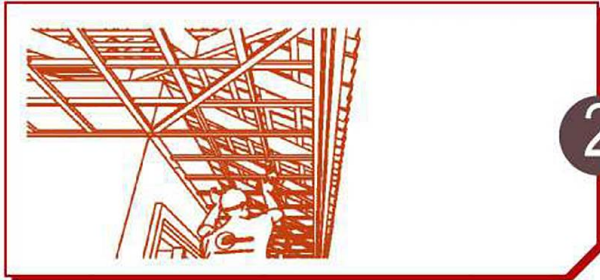


The materials used for ceiling beams are as follows:
 1.1 hard wood frame, 1½ x 3" coated with anti-termite coating and dried well
 1.2 steel frame (rectangular tube), 1½ x 2", 2.3 mm. thick
 1.3 galvanized steel (C-LINE)



Both sides

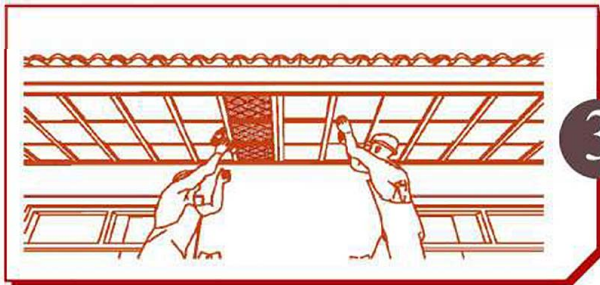
1. Conwood Lath must be fixed at about 0.5-1.00cm away from edge and seal with PU sealant. Install No.7 32mm drilling screws at least 1 inch or 2.5cm away from edge.
 2. Leave at least 0.2-0.5cm on the wood side and install No.7 32mm drilling screws in the middle only.



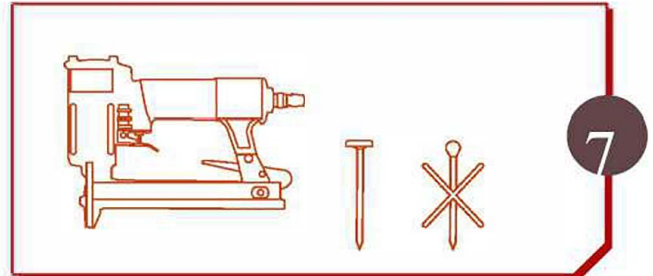
In installing ceiling frames, they must be divided in level and span with size of 40 x 40cm only. Insert another frame at the joint as figure 6



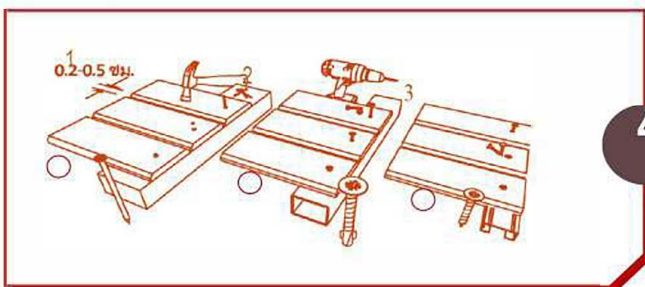
In joining laths, Adding another frames to increase surface area in installation. Without the support, installation will be unsecure and cracks may occur.



Before installing, to prevent insect under the roof, it is recommended to install net before installing Conwood Lath.



If it is necessary to use air gun nail, the nails should be the T-head nails only to provide durability in lath installation.



Equipment for Fixing Conwood Lath to different frames:

1. hard wood frame: 1½" nails (full size)
2. steel frame: No.7 32mm long drilling screws
3. galvanized steel (C-LINE) No. 7

Remarks:

1. Do not use oil-based paint to coat Conwood Eave 2 in 1 in any cases as the color will swell and flake.
2. Eaves should not be used to support roof tiles for convenience in roof repairing.
3. Before using the No.7 drilling screw with 45mm long, the drill bit should be used to make a 0.5cm hole first.

Calculation of usage areas**

Conwood Lath 3": usage area (sq. m.) x 4.3 pieces = quantity used (pieces)
 Conwood Lath 4": usage area (sq. m.) x 3.2 pieces = quantity used (pieces)

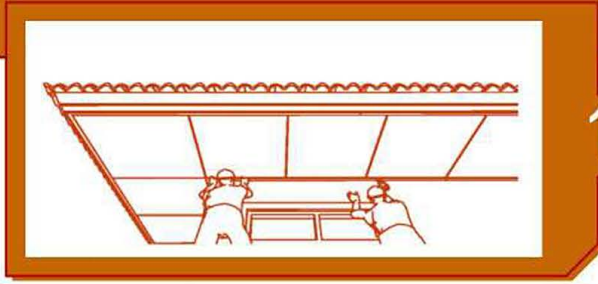
**calculation of number of Conwood Lath used per area (sq.m.) is for initial approximation.



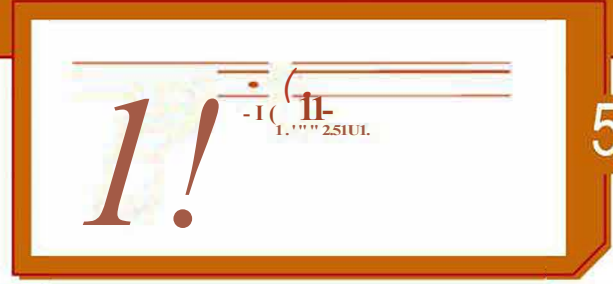
In painting, Conwood Lath with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

4. Strictly comply with Step 5-6 in for drilling in order to prevent cracks.
5. For the best installation solution, you must ask or consult technical support before installation.
6. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4

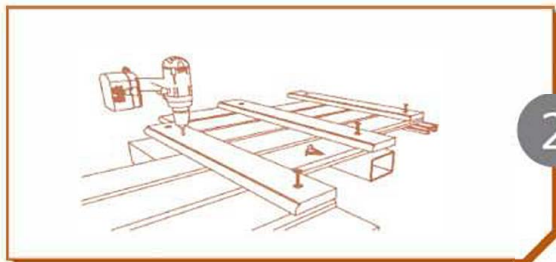
Conwood Ceiling Border



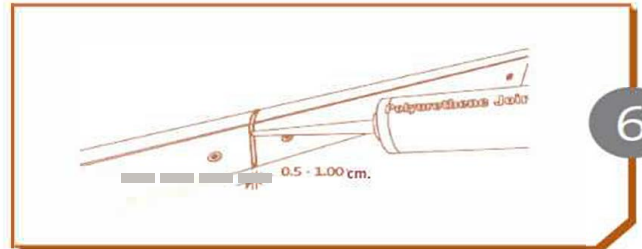
Installing Conwood Ceiling Border 2" over Conwood lath 3" both in cut piece and UG.



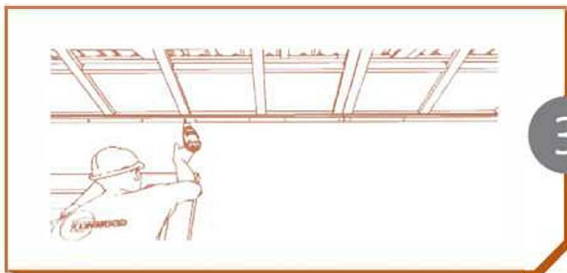
Conwood Ceiling Border must be fixed at about 1 inch or 2.5cm away from the edge of the piece and fixed in the middle only.



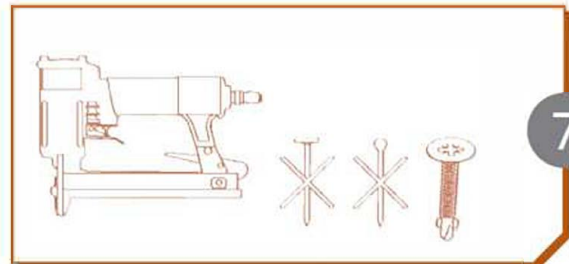
For installation on wooden, steel or C-LINE frames, it is necessary to use No.7 42mm long drilling screws.



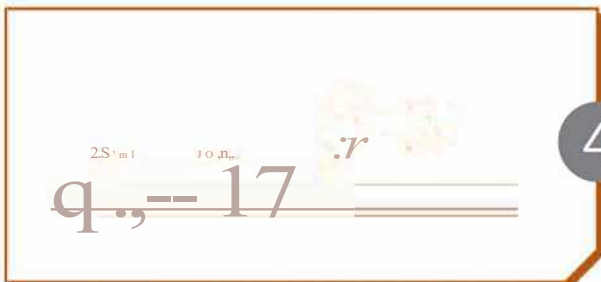
In installing Conwood Ceiling Border, keep a gap of 0.5-1.00cm at the joint and seal with PU sealant.



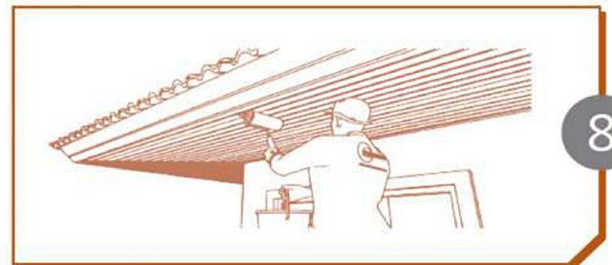
For installation of Conwood Ceiling Border, it is necessary to fix to inside frames only at every 30cm.



In installing Conwood Ceiling Border, do not allow use of any type of air gun nail. Drilling screw No.7 45mm long should only be used and install directly to the frames only.



In Fixing with tapping screw No.7, it is necessary to fix every 30cm.



In painting, Conwood Lath with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

Remarks:

1. Do not use oil-based paint to coat Conwood Eave 2 in 1 in any cases as the color will swell and flake.
2. Eaves should not be used to support roof tiles for convenience in roofrepairing.
3. Before using the No.7 drilling screw with 45mm long, the drill bit should be used to make a 0.5cm hole first.

4. Strictly comply with Step 4-5 in for drilling in order to prevent cracks.
5. For the best installation solution, you must ask or consult technical support before installation.
6. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

Calculation of usage areas*

Total usage length (meter) = quantity used (pieces)
3.05 meters

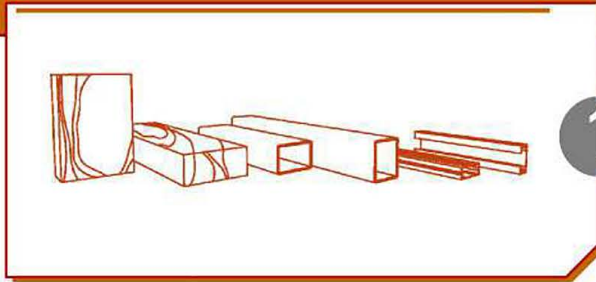
••calculation of number of Conwood Ceiling Border 2" used per area (meter) is for initial approximation.

Installation of Conwood

Wall Applications

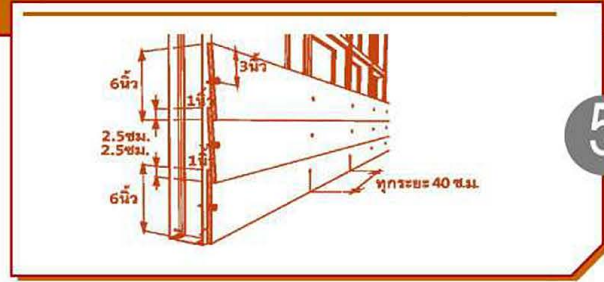
- Conwood Siding on Wooden and Steel Frames
- Conwood Siding on Cement Rendered Walls
- , Conwood Lap Siding GO, Gland G2 on Wooden and Metal Frames
- , Conwood Lap Siding GO, Gland G2 on Cement Rendered Walls
- , Conwood Wall Decorative Panels on Wooden and Metal Frames
- Conwood Wall Decorative Panels on Cement Rendered Walls
- , Conwood Mould

Conwood Siding on Wooden and Steel Frames



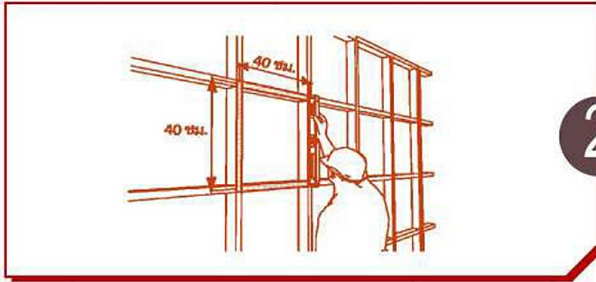
1

The materials used for frames are as follows:
 - hard wood frame, 1 1/2 x 3" coated with anti-termite coating and dried well
 •steel frame (light lip dannel steel), C 75 x 45 x 15 x 2.3mm
 •galvanized steel No. 24 0.5mm or 0.7mm thick



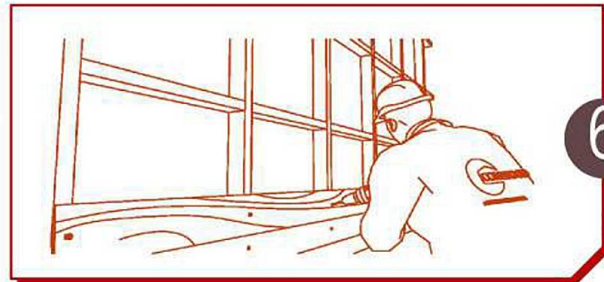
5

Ensure overlapping area of 2.5cm or 1" and mark the positions. Then, install the next piece. Screw on the siding as in the figure.



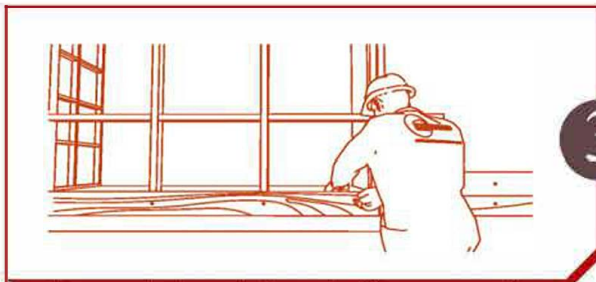
2

Prepare 40 x 40cm frameq:j: spacing which shall be consistent, perpendicular and vertical and support the joint with additional frames.



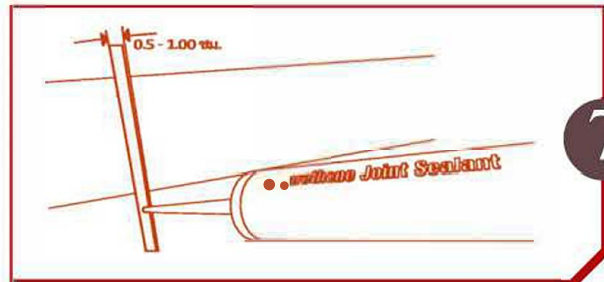
6

For steel or galvanized steel frames (C-LINE), use tapping screw No.7, 1.5" long in socket screw type and fix at least 2" away from the edge of the piece. Add frame only the joint area only to prevent cracks.



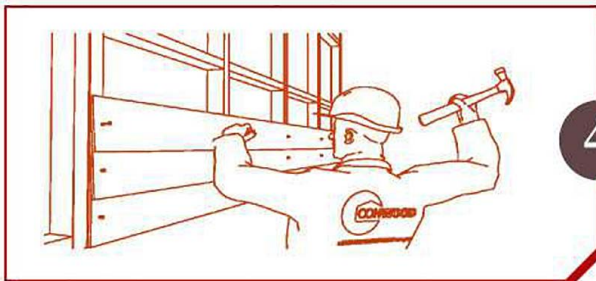
3

Install Conwood Siding at the lowest level first. Measure 1" or 2.5cm for overlapping are and start the installation.



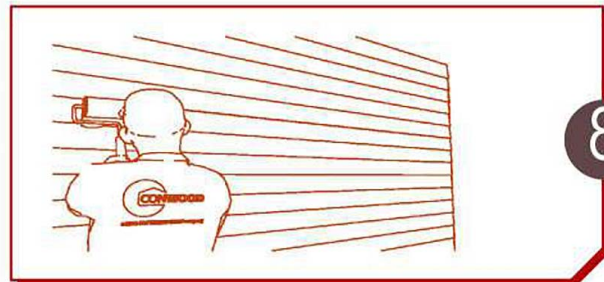
7

Add support frame at the connection and cut the joint edge in 45 degree by leaving 0.5-1.0cm gap and seal with PU sealant. Leave to dry and scrub with sand paper.



4

For wooden frames, use 1 1/2" nails or when it is necessary to use air nail gun, screw WT-38mm nails (T-head) at least 1" away from the edge. Add frame only to the joint area to prevent fixing too close to the edge, which may create cracks.



8

In painting, Conwood Siding with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

Remarks:

1. Do not use oil-based paint to coat Conwood Siding in any cases as the color will swell and flake.
2. Conwood Siding must not be used to support the building's structure as it may cause cracks.
3. In the case of foamed concrete blocks, use the type of screw used for foamed concrete blocks only.

4. Strictly comply with Step 4,7 in for drilling in order to prevent cracks.

5. For the best installation solution, you must ask or consult technical support before installation.

6. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

Calculation of usage areas*

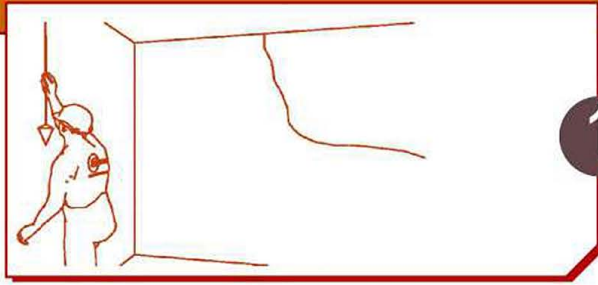
Conwood Siding 6": usage area (sq.m.) x 2.5 pieces= quantity used (pieces)

Conwood Siding 8": usage area (sq.m.) x 1.6 pieces = quantity used (pieces)

*Calculation of number of Conwood Siding used per area (square meter) is for initial approximation.

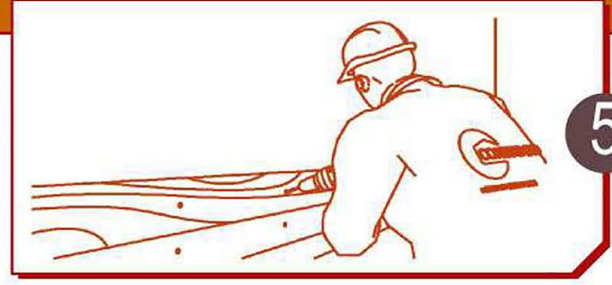
Conwood Siding

On Cement Rendered Walls



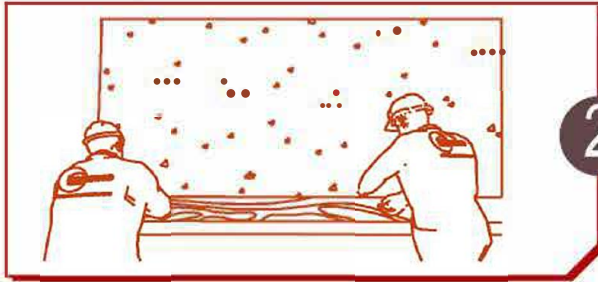
1

Before installation, check that the wall is perpendicular and entirely smooth, not bended or warp.



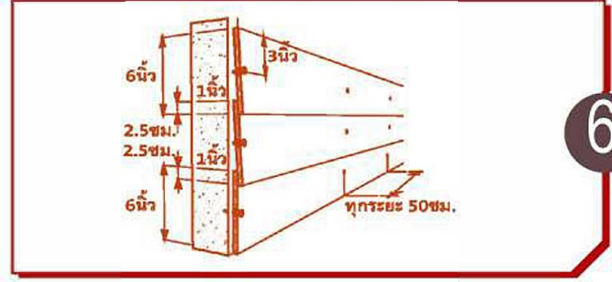
5

Using wood drills, $5/16" = 7.94 \text{ mm}$, counter bore a 5 mm. deep hole. Then, screw in tapping screw No. 7, 1.5" long until the whole length is in.



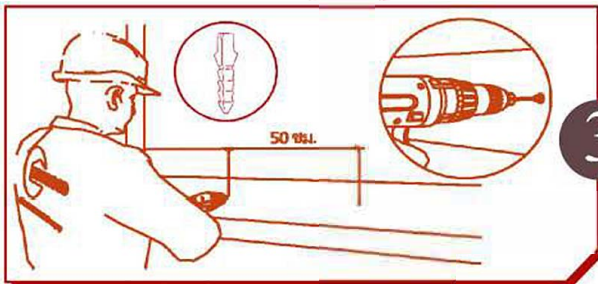
2

Start installing Conwood Siding from the bottom.



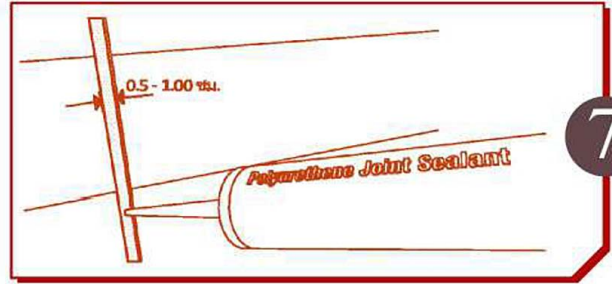
6

In installing the next row, measure the overlapping area of 1 inch or 2.5 cm. and install the next piece. Screw as in the illustration.



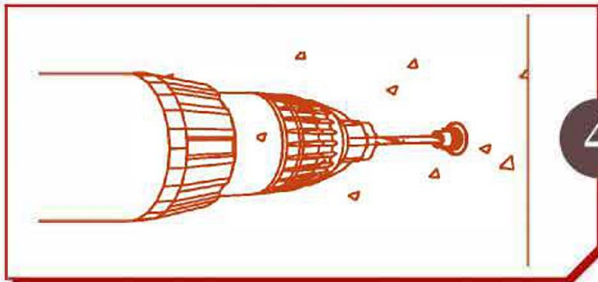
3

Drill holes for marking using wood drill, $1/8" = 3.18 \text{ mm}$. every 50 cm. throughout the length of the piece. All holes must be at least 1 inch or 2.5 cm. away from the edge. Then, remove Conwood Siding from the cement wall.



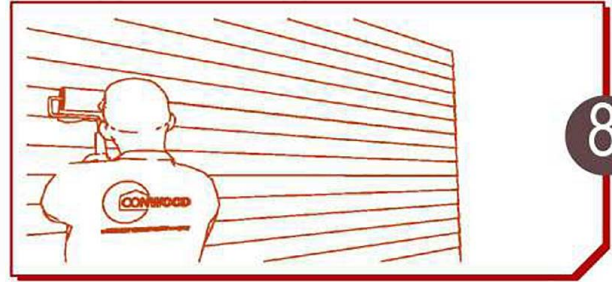
7

Add support frame at the connection and cut the joint edge in 45 degree by leaving gap of 0.5-1.0 cm. and seal with PU sealant. Leave to dry and scrub with sand paper.



4

Using a drill with cement drill. $1/4" = 6.35 \text{ mm}$., drill holes 1.4" or 3 cm. deep at all marks. Then, insert wall plugs No. 7 at all the holes



8

In painting, Conwood Siding with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

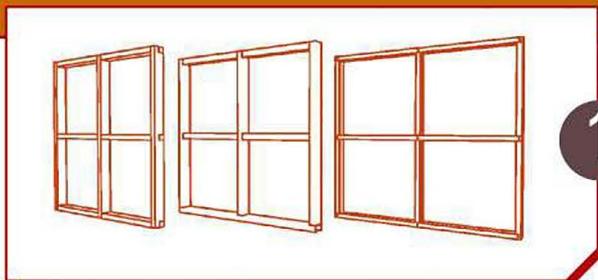
Remarks:

1. Do not use oil-based paint to coat Conwood Siding in any cases as the color will swell and flake.
2. Conwood Siding must not be used to support the building's structure as it may cause cracks.
3. In the case of foamed concrete blocks, use the type of screw used for foamed concrete blocks only.

4. Screws should be located at least 1" or 2.5cm. in the middle only.
5. Screw drilling should be done properly in order to prevent cracking.
6. For the best installation solution, you must ask or consult technical support before installation.
7. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

" Calculation of number of Conwood Siding used per area (square meter) is for initial approximation.

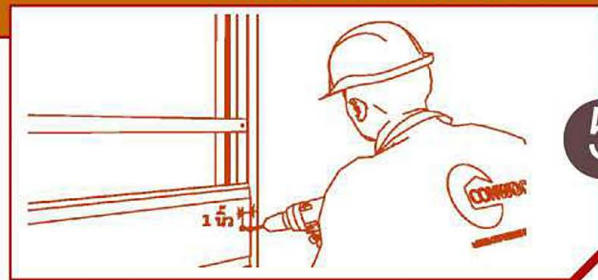
Conwood Lap Siding G0, G1 and G2 on Wooden and Metal Frames



1

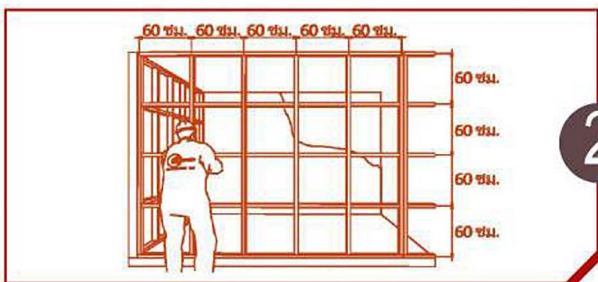
The materials used for frames are as follows:

- 1.1 hard wood frame, 1 ½ x 3" coated with anti-termite coating and has been dried well
- 1.2 steel frame (light lip channel steel), C75 x 45 x 15 x 2.3 mm.
- 1.3 galvanized steel (C-LINE) No. 24, 0.75 mm. thick



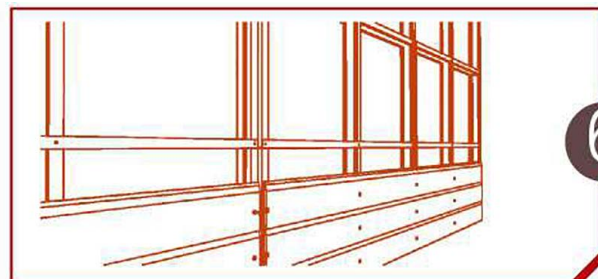
5

For steel or galvanized steel frames, use tapping screw No. 7, 32mm long in socket screw type and fix at least 1" or 2.5cm away from the edge.



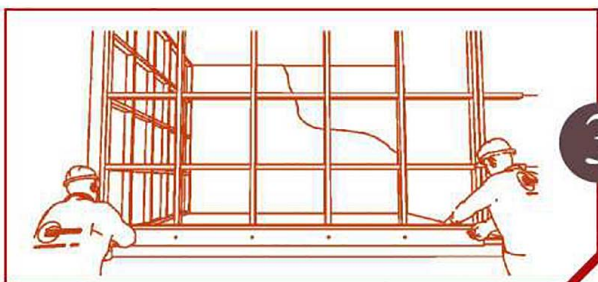
2

Prepare 60 x 60 cm. frames which shall be consistent, perpendicular and vertical.



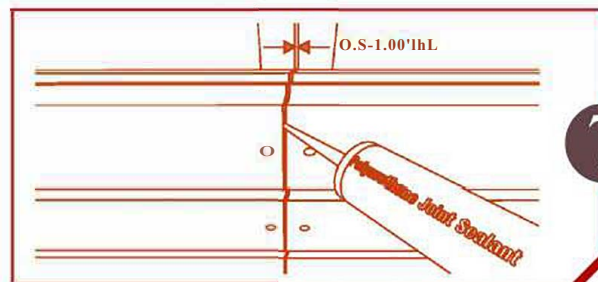
6

Install the next piece with the lap completely placed in the tongue and groove. The pieces must be fixed at least 0.5-1.0cm from the edge.



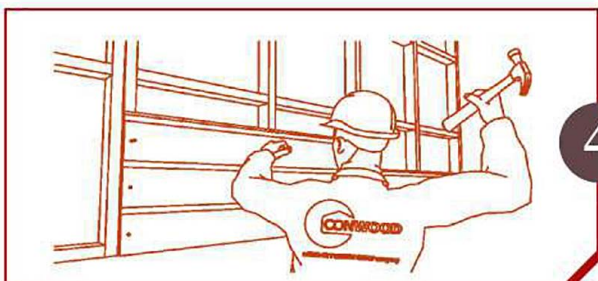
3

Install Conwood Lap Siding at the lowest level first with the lap (or tongue and groove) side up.



7

Add support frame at the connection and cut the joint edge in 45 degree by leaving gap of 0.5-1.0cm. and seal with PU sealant. Leave to dry and scrub with sand paper.

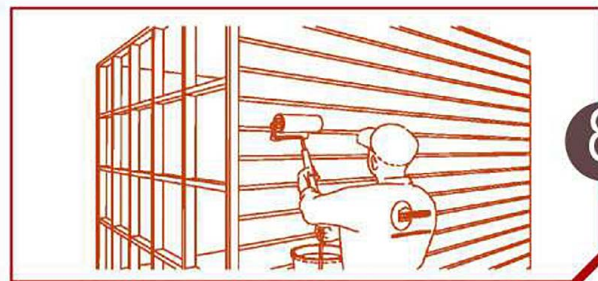


4

For wooden frames, use 1 ½" nails or air gun nail using WT-38mm.nails (T-head) at least 1" or 2.5cm away from the edge and every 60cm (in the middle only).

Remarks:

1. Do not use oil-based paint to coat Conwood Lap Siding in any cases as the color will swell and flake.
2. Conwood Lap Siding must not be used to support the building's structure as it may cause cracks.
3. Before using the No.7 drilling screw with 45mm long, the drill bit should be used to make a 0.5cm hole first.



8

In painting, Conwood Lap Siding with creamy primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

4. Strictly comply with Step 4, 7 in for drilling in order to prevent cracks.
5. For the best installation solution, you must ask or consult technical support before installation.
6. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, call Center 1732 press 4.

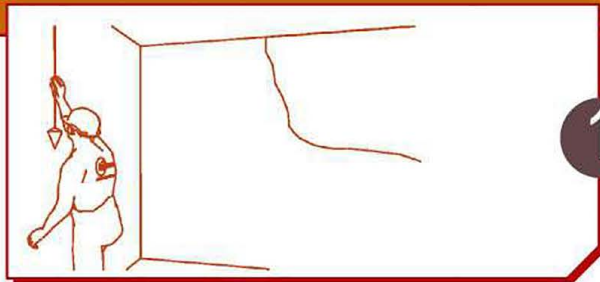
Calculation of usage areas**

Conwood Lap Siding 6": usage area (sq.m.) x 2.2 pieces= quantity used (pieces)
Conwood Lap Siding 8": usage area (sq.m.) x 1.7 pieces= quantity used (pieces)

**Calculation of number of Conwood Lap Siding used per area (square meter) is for initial approximation.

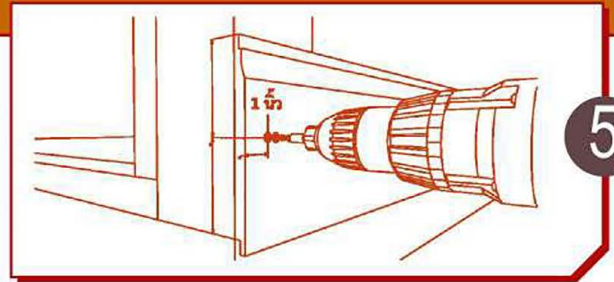
Conwood Lap Siding G0, G1 and G2

On Cement Rendered Walls



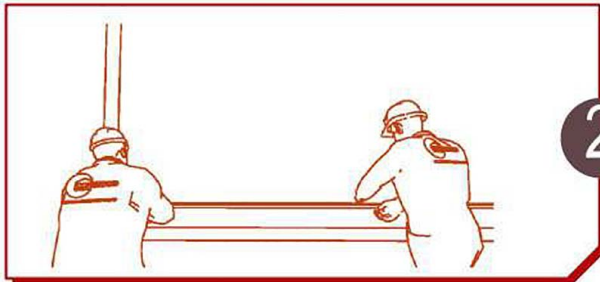
1

Before installation, check that the wall is perpendicular and entirely smooth, not bent or swollen, and does not lose its vertical nature.



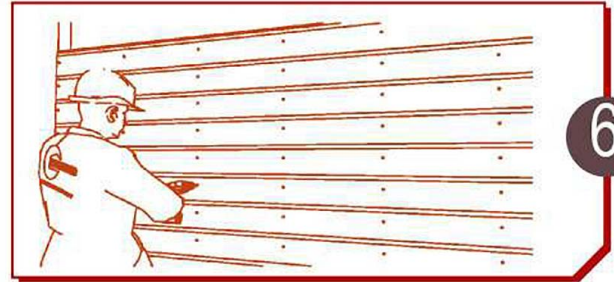
5

Using wood drills, 5/16" or 7.94 mm., counter bore a 5 mm. deep hole. Then, screw in tapping screw No. 7, 1.5" long until the full length is in.



2

Start installing Conwood Lap Siding from the bottom with the tongue and groove side up.



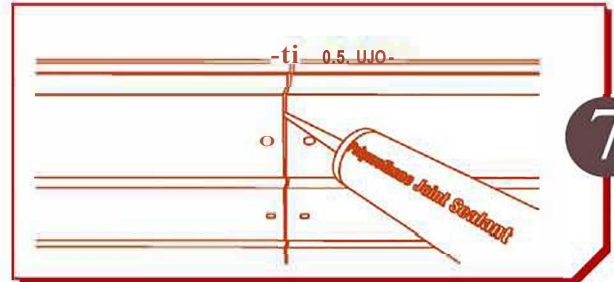
6

Install Conwood Lap Siding as illustrated in this figure.



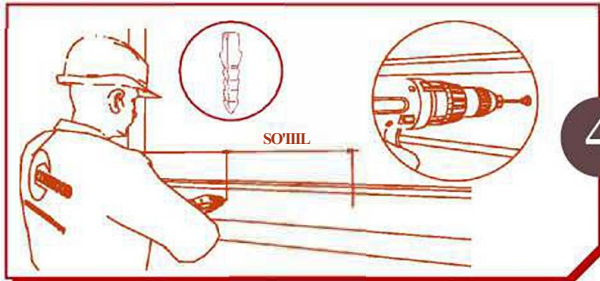
3

Drill holes for marking using wood drill, 1/8" or 3.18 mm. every 50 cm. throughout the length of the piece. All holes must be at least 1 inch or 2.5 cm. away from the edge. Then, remove Conwood Lap Siding from the cement wall.



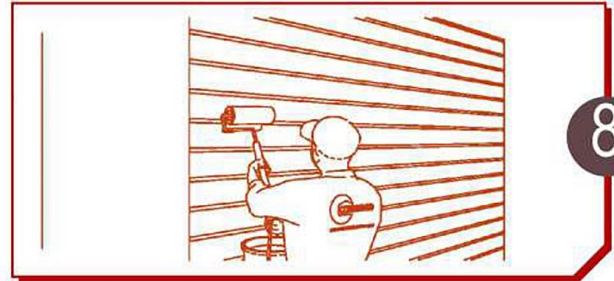
7

Add support frame at the connection and cut the joint edge in 45 degree by leaving gap of 0.5-1.0 cm. and seal with PU sealant. Leave to dry and scrub with sand paper.



4

Using a drill with cement drill. 1/4" or 6.35 mm., drill holes 1.4" or 3.0 cm. deep at all marks. Then, insert wall plugs No. 7 at all marks.



8

In painting, Conwood Lap Siding with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

Remarks:

1. Do not use oil-based paint to coat Conwood Lap Siding in any cases as the color will swell and flake.
2. Conwood Lap Siding must not be used to support the building's structure as it may cause cracks.
3. In the case of foamed concrete blocks, use the type of screw used for foamed concrete blocks only.
4. Screws should be located at least 1" or 2.5cm. in the middle only.
5. Screw drilling should be done properly in order to prevent cracking.
6. For the best installation solution, you must ask or consult technical support before installation.
7. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

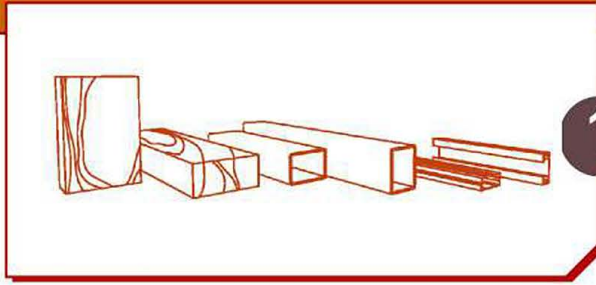
"Calculation of number of Conwood Lap Siding used per area (square meter) is for initial approximation.

Calculation of usage areas **

Conwood Lap Siding 6': usage area (sq.m.) x 2.1 pieces = quantity used (pieces)
 Conwood Lap Siding 8': usage area (sq.m.) x 1.6 pieces = quantity used (pieces)

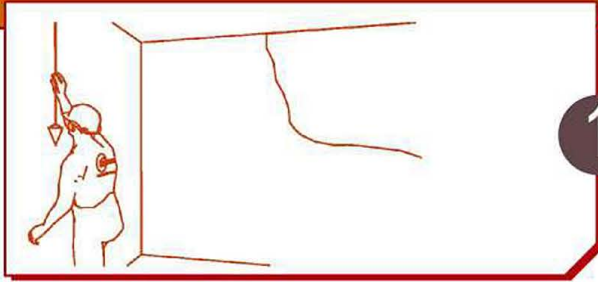
Conwood Wall Decorative Panels

On Wooden and Metal Frames



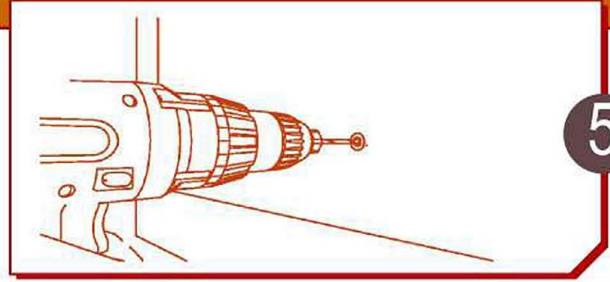
Conwood Wall Decorative Panels

On Cement Rendered Walls



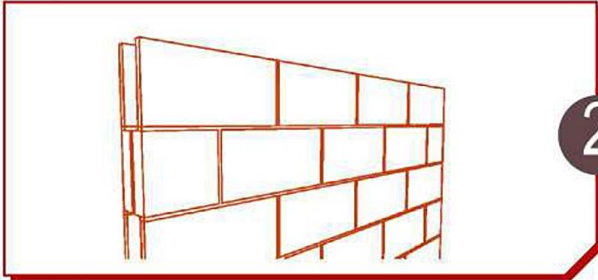
1

Before installation, check that the wall is perpendicular and entirely smooth, not bent, swollen, or lose its vertical nature.



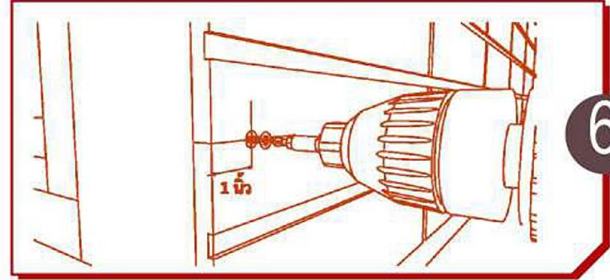
5

Using a drill with cement drill, $\frac{1}{4}'' = 6.35 \text{ mm.}$, drill holes 1.4" or 3.0 cm. deep at all marks. Then, insert wall plugs No. 7 at all holes.



2

For lightweight walls, installation cannot be done. If installation is necessary, consult with an engineer before installation.



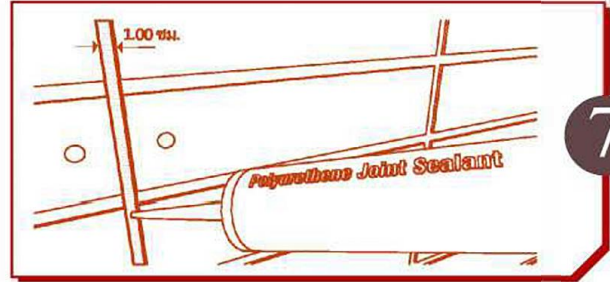
6

Using wood drills, $\frac{5}{16}'' = 7.94 \text{ mm.}$ counter bore a 5 mm. deep hole. Then, screw in tapping screw No. 7, 1.5" long until the full length is in.



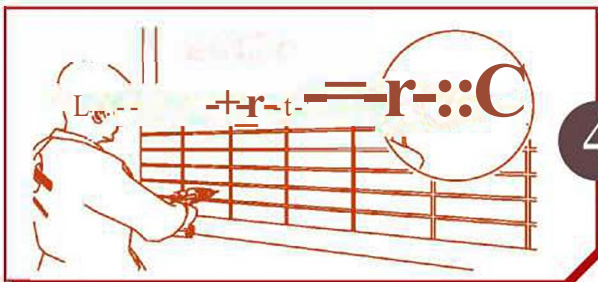
3

Lay a Conwood Decorative Panels on the area of installation starting from the bottom.



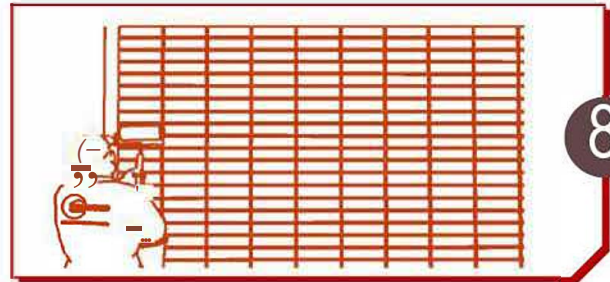
7

Join the pieces leaving gap of about 1.00cm and seal with PU sealant. Leave to dry and scrub with sand paper until smooth.



4

Drill holes for marking using wood drill, $\frac{1}{8}''$ or 3.18 mm. every 30 cm. throughout the length of the piece. All holes must be at least 1" or 2.5 cm. away from the edge. Then, remove Conwood Decorative Panel from the cement wall.



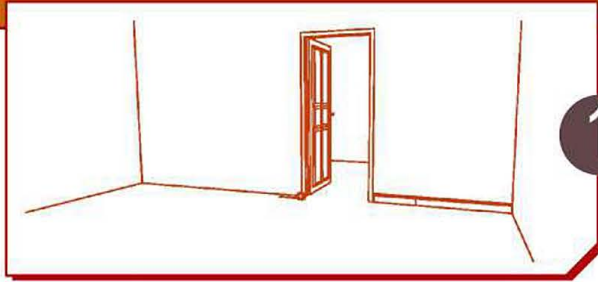
8

In painting, Conwood Decorative Panel with natural color, paint with contact primer for old concrete once or twice then layer with waterbased paint two or three times.

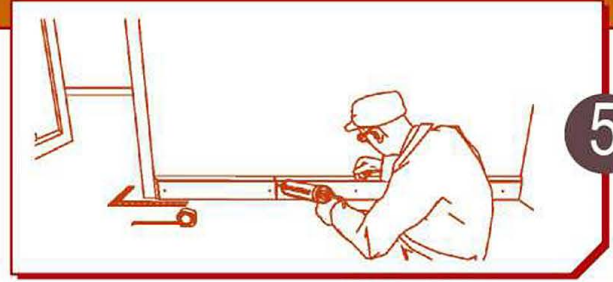
Remarks:

1. Do not use oil-based paint to coat Conwood Decorative Panel in any cases as the color will swell and flake.
2. Conwood Wall Decorative Panels must not be used to support the building's structure as it may cause cracks.
3. In the case of foamed concrete blocks, use the type of screw used for foamed concrete blocks only.
4. Screws should be located at least 1" or 2.5cm and every 30cm. in the middle only.
5. Screw drilling should be done properly in order to prevent cracking.
6. For the best installation solution, you must ask or consult technical support before installation:
7. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

Conwood Mould



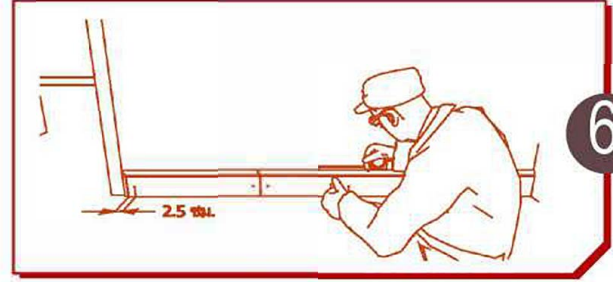
Check that there is no cement waste from rendering on installation area. If so, remove it and smoothen the surface before installation.



Connecting Conwood Mould by lap joining at 45 degree. Leave gap of about 0.5-1.0cm. and seal the joint with PU sealant. Screw at not less than 1 inch from the edge.



Measure the size and cut in the desired length. Then, always apply latex glue at the back.



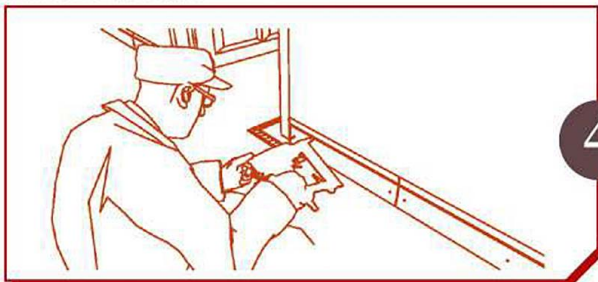
Screw at least 1 inch or 2.5cm from the edge of the piece to prevent cracks and damage in usage.



Then, fix with concrete nails every 30 cm. in the middle throughout the length.



In installing mould, in order to increase efficiency of usage, when reach the door frame, mould end piece is recommended.



In fixing with air gun nails, use T head nails, 38 mm. long, and fix at every 30 cm. in the middle throughout the length.

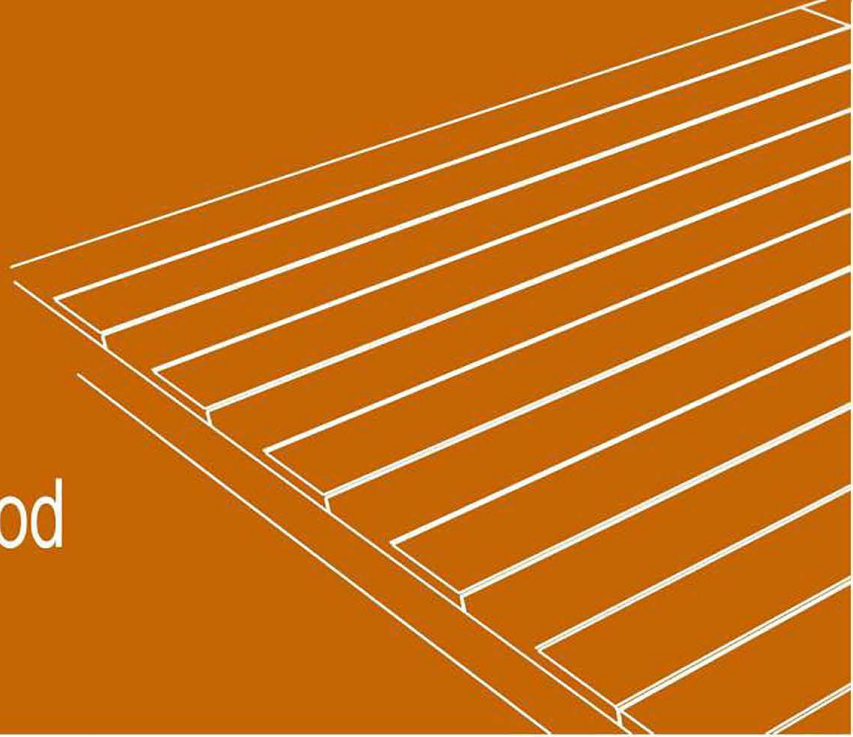


In painting, Conwood Mould with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

Remarks:

1. Do not use oil-based paint to coat Conwood Mould in any cases as the color will swell and flake.
2. For the best installation solution, you must ask or consult technical support before installation.
3. Details specified are subject to change. The Company reserves the right to change any information without prior notice.

Installation of Conwood



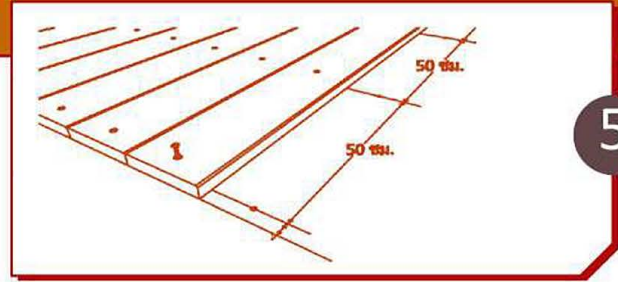
Floor Applications

- Conwood Decorative Deck 4", 6" and 8"
- Conwood Decorative Deck 12" and Anti-Slip
- Conwood Decorative Stair



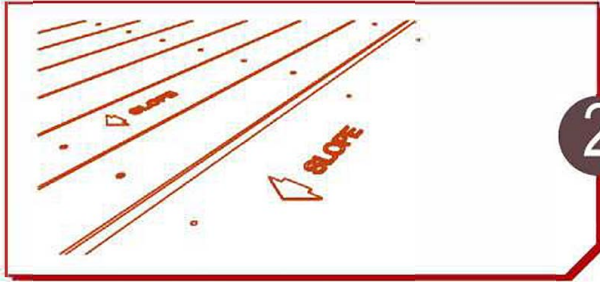
1

The floor where the installation takes place must be free from dust and oil. Wash cement waste away with clean water. Leave until dry before installation.



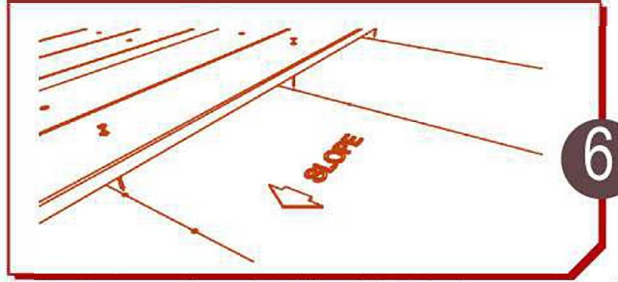
5

Using wood drills, 1/8" = 3.18 mm. drill holes at least 1 inch away from the edge every 50 cm. throughout the length of the piece and lift the piece up. The mark drilling is done to mark the position for inserting plugs.



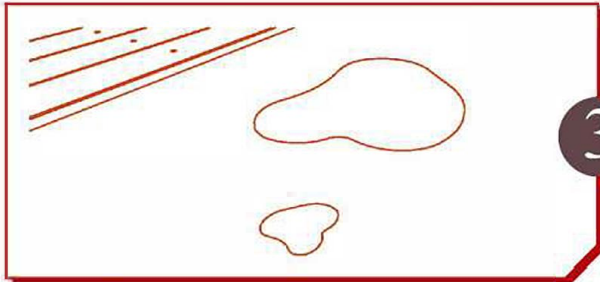
2

In exterior installation, the area must be sloped to prevent puddle of water and allow for a better and faster flow.



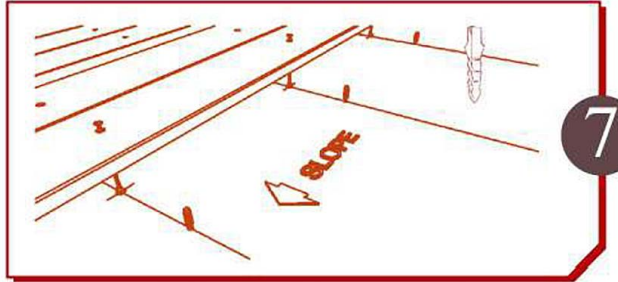
6

Lift the piece up and the marks will be visible. After that, use cement drill 1/4" = 6.35 mm., to drill holes 1.4" deep.



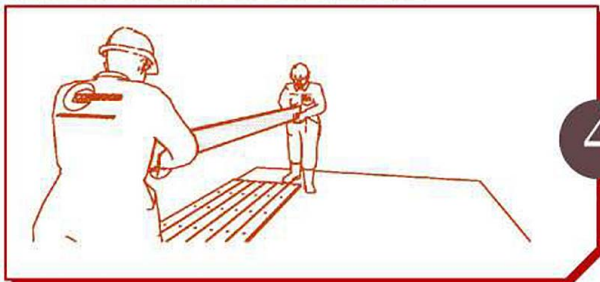
3

In interior installation, the cement floor must be smooth and leveled. There must not be any sunken area.



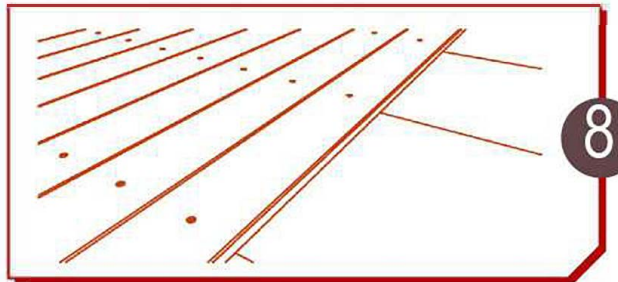
7

Insert plug No. 7 for all marks and the joint area with a gap of at least 0.5-1.0cm. (especially for outdoor)



4

Lay Conwood Decorative Deck on the cement floor by length. In the case of exterior installation, install in the direction of the slope to allow drainage.



8

Then, lay the decorative deck on the same spot. Counter bore with wood drill, 5/6 = 7.35 mm., 5 mm. deep. Install with screw No. 7, 2" long and cover the screw head with cement grout (Crocodile Brand No. 0772). Leave to dry and scrub with sand paper until smooth. Coat with epoxy paint or water-based paint for fiber cement deck.

Remarks:

1. Conwood Decorative Decks 4', 6' and 8' are only used for the purpose of decorating cement floor, giving the appearance of natural wood.
2. Conwood Decorative Decks cannot be used to support weight unlike natural wood and cannot take impact or vibration.
3. Conwood Decorative Decks are suitable for residential place only.
4. Do not use Oil-based paint to coat Conwood Deck in any cases as the color will swell and flake.
5. Do not use Conwood Deck to support building's structure as it may cause damage.

6. For outdoor use, every joint should be located 0.5-1.0cm away from each other.
7. Screws should be 1" or 2.5cm away from the edge and located in the middle only.
8. For the best installation solution, you must ask or consult technical support before installation.
9. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

Calculation of usage areas^h

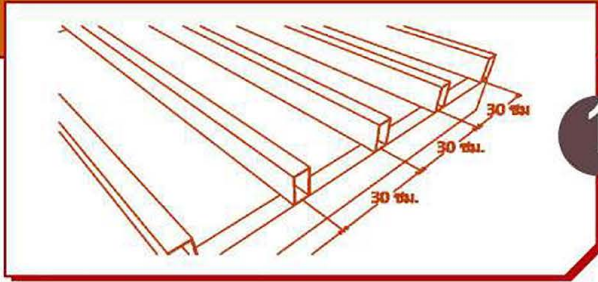
Conwood Deck 4': usage area (sq.m.) x 4 pieces = quantity used (pieces)

Conwood Deck 6': usage area (sq.m.) x 3 pieces = quantity used (pieces)

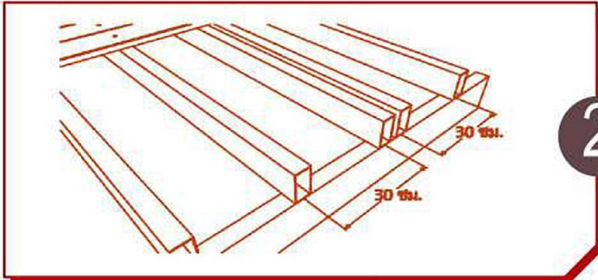
Conwood Deck 8' usage area (sq.m.) x 2 pieces = quantity used (pieces)

^h Calculation of number of Conwood Decorative Deck used per area is for sales only.

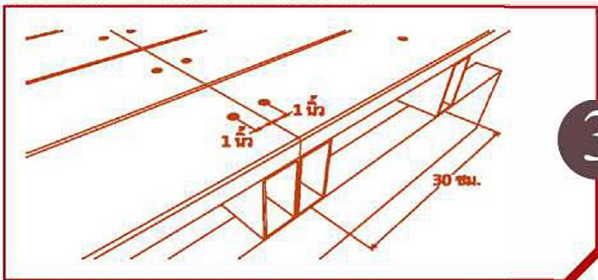
Conwood Deck 12" and Anti-Slip



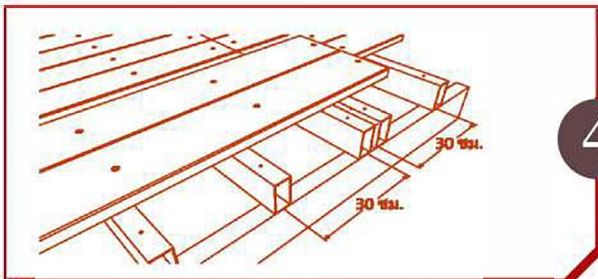
Measure the space between each frame.



In installing, a gap should be located every 30cm. Insert an additional frame at the connection of Conwood Deck.



For Drill each hole at least 1" or 2.5cm away from the edge. For outdoor use, the gap should be 0.5-1.0cm.



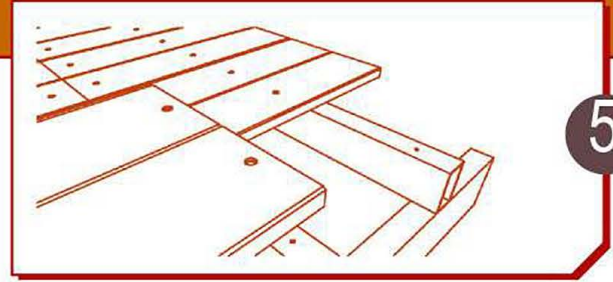
Using wood drill, 5/16" = 7.94mm., drill deep for 0.5cm.

Remarks:

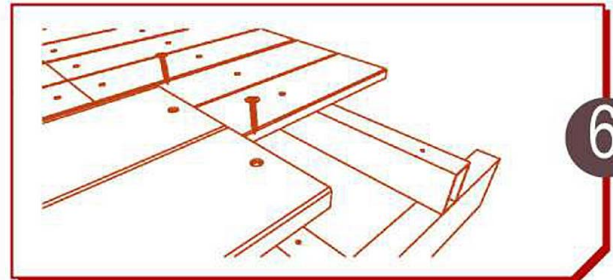
1. Conwood Deck 12" is for exterior and interior uses at 50cm height only.
2. Conwood Deck 12" for interior use over 50cm height should be supported by over 12mm thick board.
3. Conwood Deck 12" cannot be used to support weight unlike natural wood and cannot take impact or vibration.
4. Do not use oil-based paint to coat Conwood Deck 12" in any cases as the color will swell and flake.
5. Do not use Conwood Deck 12" to support building's structure as it may cause damage.
6. Using wood drill 5/16" = 7.94mm and drilling 0.5cm deep. Then properly using No.7 45mm long screws to prevent cracks.

Calculation of usage areas**

usage area (sq.m.) x 1 piece = quantity used (pieces)



Install by using screws No.7 45mm long. Drilling should be done properly to avoid cracks.



In fixing, screws at all marks of frame as in Step 7.



Cover the screw head with cement grout (Crocodile Brand No. 0772). Leave to dry for 30 minutes and scrub with sand paper until smooth.



Lakewood color is recommended by Conwood or fiber cement paints following by their instructions.

7. For outdoor use, every joint should be located 0.5-1.0cm away from each other.
8. Screws should be 1" or 2.5cm away from the edge and located in the middle only.
9. For the best installation solution, you must ask or consult technical support before installation.
10. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

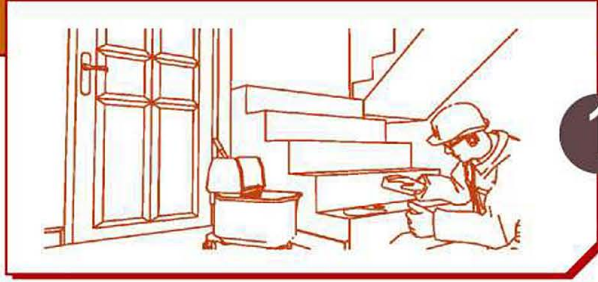
Wooden and steel deck sizes

Beam (meter)	Gap of standard steel deck (every 30cm)	Gap of high-quality standard wooden deck (every 30cm)
110 - 211	75 x 45 x 3.2 mm.	1 1/2" x 3'
211 - 311	100 x 50 x 3.2 mm.	2" x 5"
311 - 411	150 x 50 x 3.2 mm.	2" x 6"
411 - 511	150 x 75 x 3.2 mm.	2" x 8"

Standard wooden and steel deck sizes in compliance with Engineering Institute of Thailand

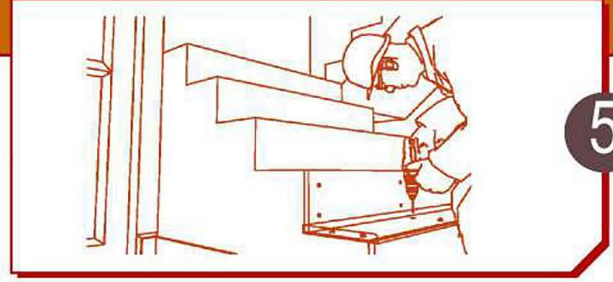
** Calculation of number of Conwood Deck used per area (square meter) is for initial approximation.

Conwood Decorative Stair



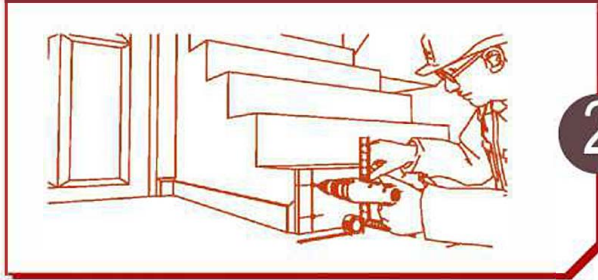
1

The stairs where the installation will take place must be clean and free of oil and cement waste. Wash with water until clean and leave to dry before installation.



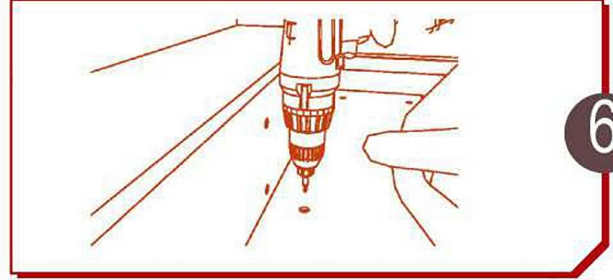
5

Lay a horizontal piece and use a wood drill, $1/8'' = 3.18 \text{ mm.}$ to drill hole as marks in 6 holes of 2 rows and 3 columns. Then, remove the horizontal piece.



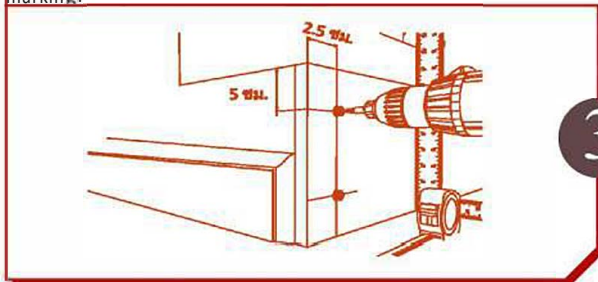
2

Lay a vertical piece and use a wood drill, $1/8'' = 3.18 \text{ mm.}$ to drill hole as marks in 6 holes of 2 rows and 3 columns. Then, remove the vertical piece. This process is called position marking.



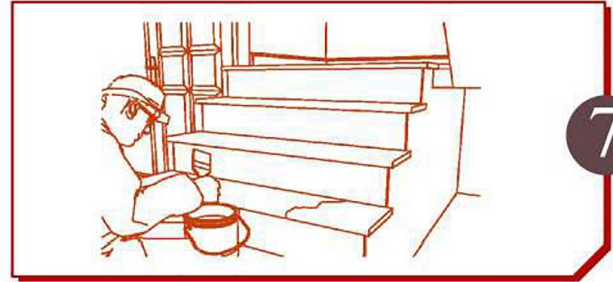
6

The marks are now visible. Then, use a cement drill $1/4'' = 6.35 \text{ mm.}$ to drill 1.4" deep holes for all marks. Then, insert wall plugs No. 7 for all positions.



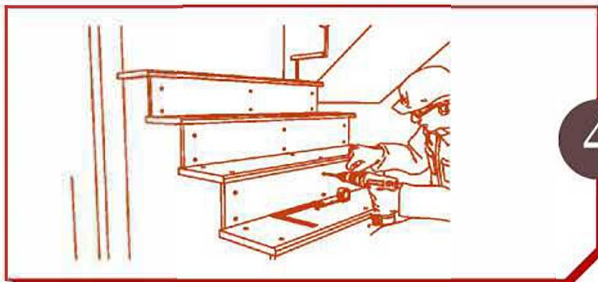
3

Then, use a cement drill $1/4'' = 6.35 \text{ mm.}$ to drill 1.4" deep holes for all marks. Then, insert wall plugs No. 7 for all marks.



7

Lay the horizontal piece on the same spot. Counter bore with wood drill, $5/6 = 7.35 \text{ mm.}, 5 \text{ mm.}$ deep. Insert screw No. 7, 2" long until the full length is in and cover the screw head with cement grout (Crocodile Brand No. 0772). Leave to dry and scrub with sand paper until smooth. Then, coat with epoxy paints and water-based paint for fiber cement decks.



4

Lay the vertical piece on the same spot. Counter bore with wood drill, $5/6 = 7.35 \text{ mm.}, 5 \text{ mm.}$ deep. Insert screw No. 7, 2" long until the full length is in and cover the screw head with cement grout (Crocodile Brand No. 0772). Leave to dry and scrub with sand paper until smooth.



8

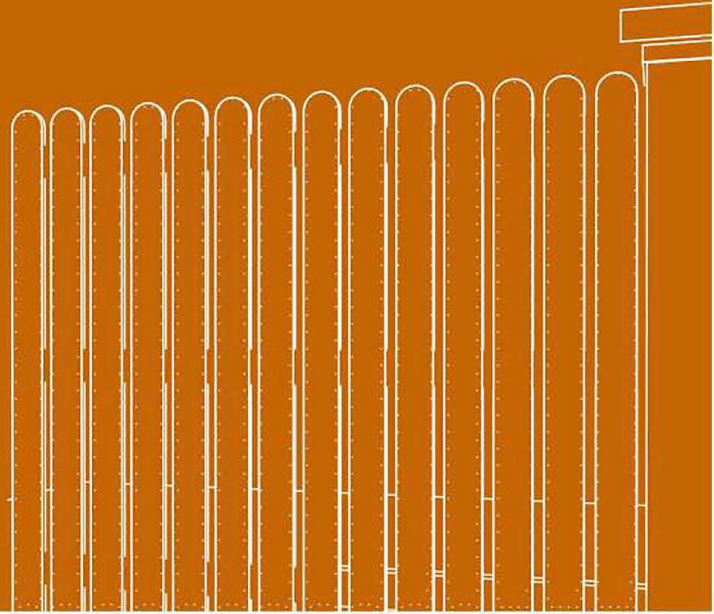
Conwood Decorative Stairs cannot be installed on steel stair structure without supporting foundation as it can break when stepped on.

Remarks:

1. Conwood Decorative Stairs must be installed on cement floor only.
2. The Company is not liable to any damages caused by horizontal and vertical installation of Conwood Decorative Stair on steel frames.
3. Conwood Decorative Stairs cannot be used to support weight like natural wood and cannot take impact or vibration.
4. Do not use oil-based paint to coat Decorative Stair in any cases as the color will swell and flake.
5. Do not use Conwood Decorative Stairs to support building's structure as it may cause damage.

6. Screws should be 1" or 2.5cm away from the edge and located in the middle only.
7. For the best installation solution, you must ask or consult technical support before installation.
8. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Genier 1732 press 4.

Installation of Conwood

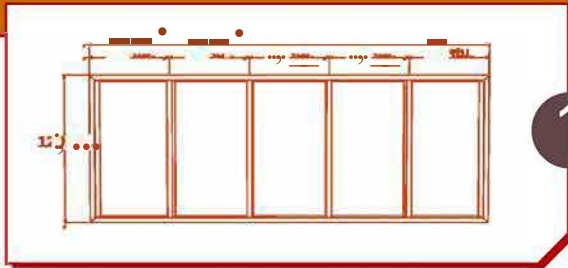


Decorative Applications

- Conwood Sunshade, 45 degrees angle
- Conwood Sunshade, horizontal angle
- Conwood Sunshade, vertical angle
- Conwood Plank 2"
- Conwood Plank 1"
- Conwood Fence

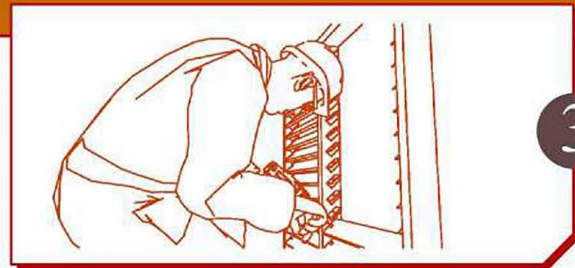
Conwood Sunshade

45 degrees angle



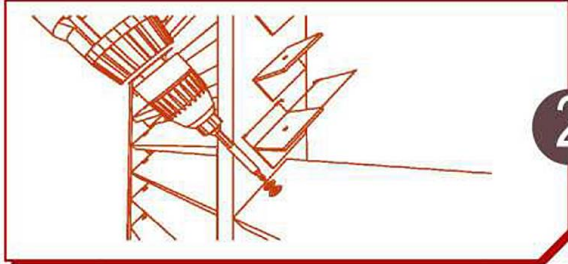
1

Build structure frame and its size should not be more than 60 cm. in width and 1.20 meter in length by metal tube, 1 1/2" x 3", 2.3 mm. thick.



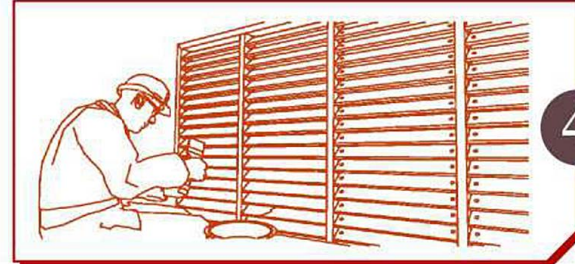
3

Use tapping screw No. 7, 2.5mm long to fix in the middle of the piece at least 1" away from the edge.



2

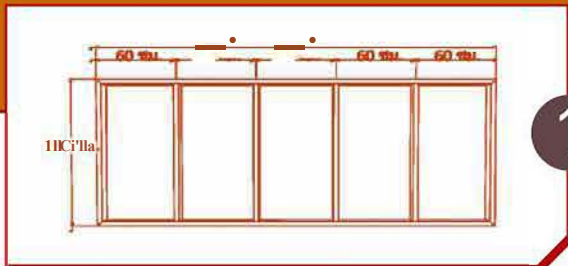
Use L-shape steel angle, size 2" x 2", 2.3 mm. thick, 7.5 cm. long at 6.5 cm. from one to another.



4

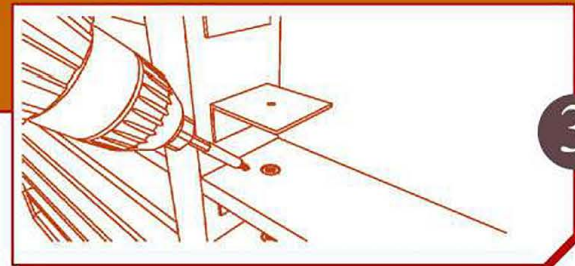
Cover the screw head with PU sealant and leave to dry. Then, scrub with sand paper under smooth. In painting, Conwood Sunshade with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

Horizontal angle



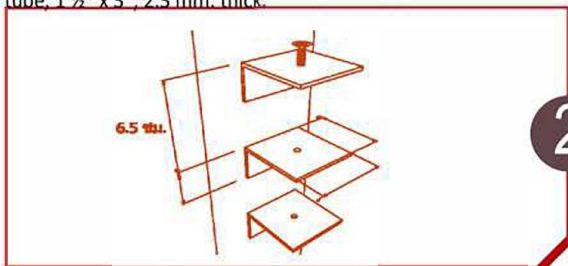
1

Build structure frame and its size should not be more than 60 cm. in width and 1.20 meter in length by metal tube, 1 1/2" x 3", 2.3 mm. thick.



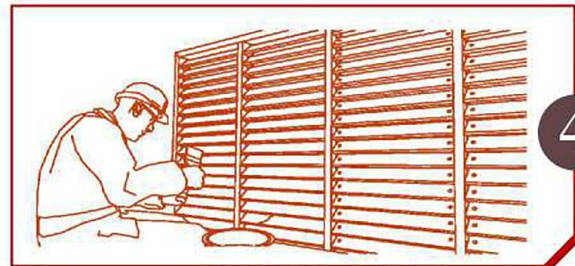
3

Use tapping screw No. 7, 25mm long to fix in the middle of the piece at least 1" away from the edge.



2

Use L-shape steel angle, size 2" x 2", 2.3 mm. thick, 7.5 cm. long at 6.5 cm. from one to another.



4

Cover the screw head with PU sealant and leave to dry. Then, scrub with sand paper under smooth. In painting, Conwood Sunshade with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

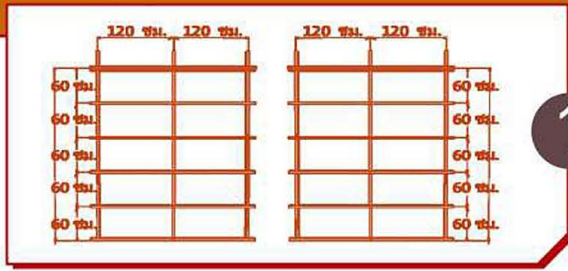
Remarks:

- 1 Do not use oil-based paint to coat Conwood Sunshade in any cases as the color will rnell and flake.
- 2 Do not apply Conwood Sunshade as the buiding's structure as it may cause damage or cracks.
- 3 Using wood oil 5116¹ = 794mm and drillilig 0.5cm deep. Then properly using No.7 25mm long screws to prevent cracks.
- 4 The technic in installing Con,iood Sunshade is lo hx in the middle of the width side or the product and keep a 1" or 2.5cm space away from the edge,
- 5 For the best installation solution, you must ask or consult technical support before installation.
- 6 Con' i1stallati-On manual is regularly updated kw the latest inlonnaion III d. cucker inslalatio, Supet'isor\$, engineeis and i1staller must clikek if the i1stalaion manual used is the latest ve on. For the latest update, Call Center 1732 11'ess 4.

¹Calculation of number of Conwood Sunshade used per area (square meter) is for initial approximation.

Conwood Sunshade

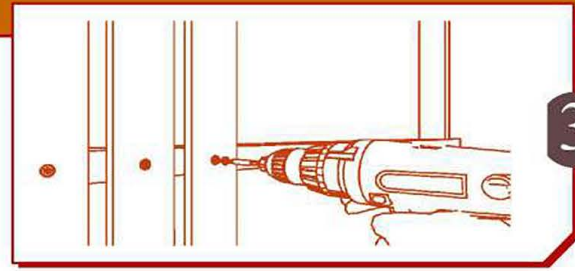
Vertical angle



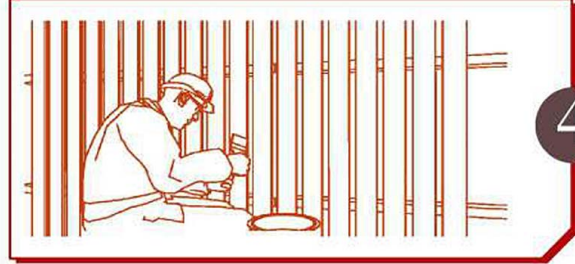
Build structure frame and its size should not be more than 60 cm. in width and 1.20 meter in length by metal tube, 1 1/2" x 3", 2.3 mm. thick.



Conwood Sunshade can be installed on the frames with additional frames at the joint to prevent crack around the edge. Join the pieces by leaving gap of about 3-5 mm. for stretching of wood when exposed to sunlight. Seal the joint with PU sealant.



Use tapping screw No. 7, 2.5mm long to fix in the middle of the piece at least 1" away from the edge.

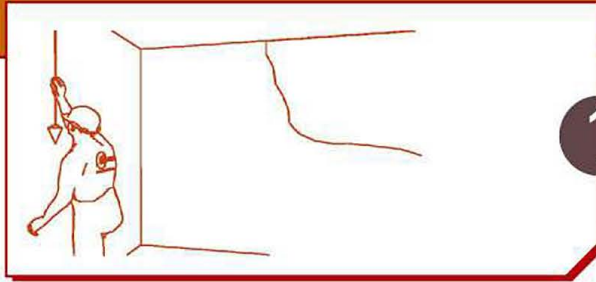


Cover the screw head with PU sealant and leave to dry. Then, scrub with sand paper under smooth. In painting, Conwood Sunshade with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

Calculation of usage areas

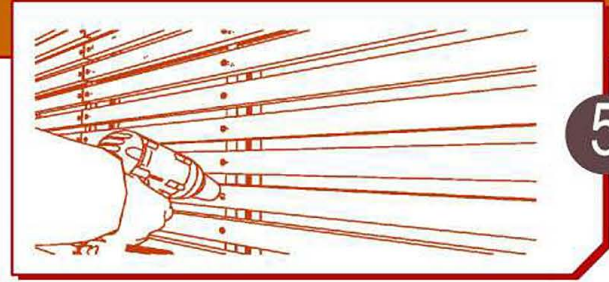
Conwood Sunshade 3': usage area (sq.m.) x 3.2 pieces= quantity used (pieces)

"Calculation of number of Conwood Sunshade used per area (square meter) is for initial approximation.



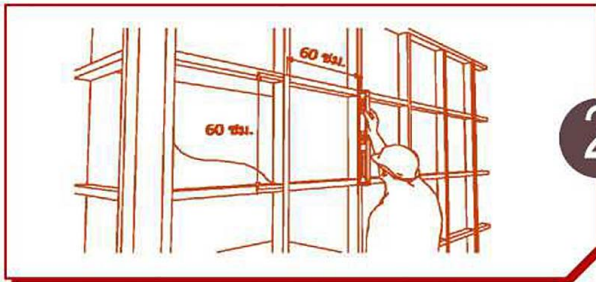
1

The materials used for frames are as follows:
 - hard wood frame, 1 1/2 x 3" coated with anti-termite coating and has been dried well
 - steel frame (light lip channel steel), C75 x 45 x 15 x 2.3 mm.
 - galvanized steel (C-LINE) No. 24, 0.75 mm. thick



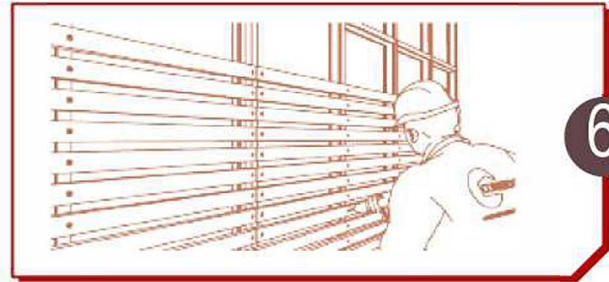
5

For steel or galvanized steel frames (C-LINE), use tapping screw No. 7, 45mm long in socket screw type and fix in the middle of the planks and 1" or 2.5cm away from the edge with 60cm gap.



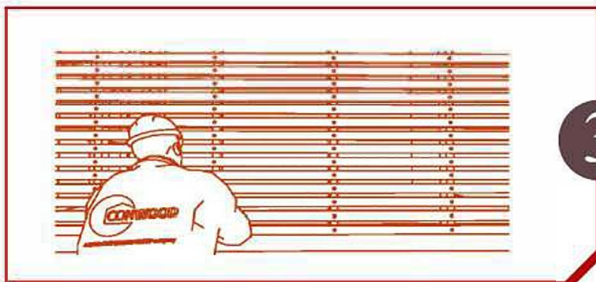
2

Prepare 60 x 60 cm, SAACI frames which shall be consistent, perpendicular and vertical.



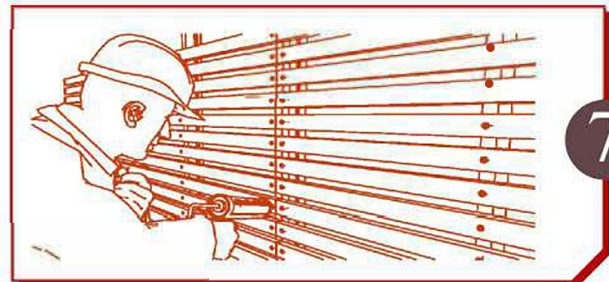
6

Install the next piece leaving desired space between each piece. Try to keep the distant even for good appearance.



3

Install the planks vertically or horizontally as desired.



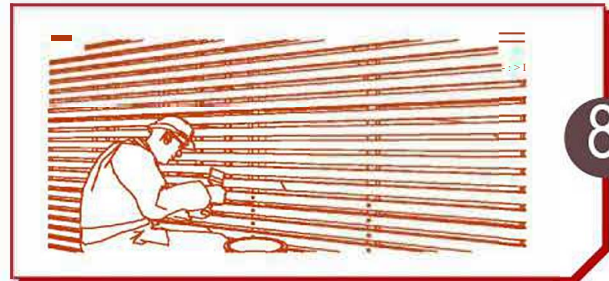
7

Add support frame at the connection and cut the joint edge in 45 degree by leave gap of about 0.5-1.0cm. and seal with PU sealant.



4

For wooden frames, use 1 1/2" nails or air nail gun, using WT-38 mm. nails (T-head) to fix the planks in the middle at least 1" or 2.5cm away from the edge and every 60cm.



8

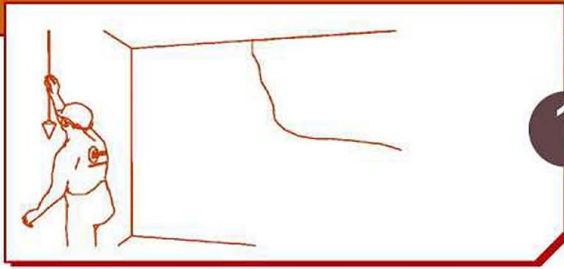
In painting, Conwood Plank natural color must be painted with contact primer for old concrete once or twice then layer with water-based paint two or three times.

Remarks:

1. Do not paint Conwood Plank 2' with oil-based paint as the color will swell and flake later.
2. Do not apply Conwood Plank 2' as the building's structure as it may cause damage or cracks.
3. Using wood drill 5116' = 7.94mm and drilling 0.5cm deep. Then properly using No.7 45mm long screws to prevent cracks.
4. In fixing screws, strictly comply with Step 4 and 5 to prevent cracks.
5. For the best installation solution, you must ask or consult technical support before installation.
6. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

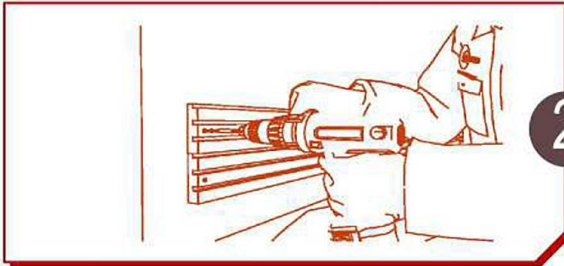
Conwood Plank 1"

On Cement Rendered Walls



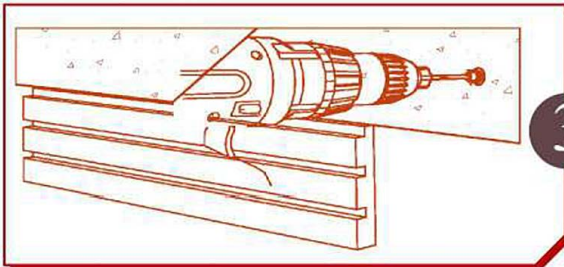
1

Before installation, check that the wall is perpendicular and entirely smooth, not bended or warp.



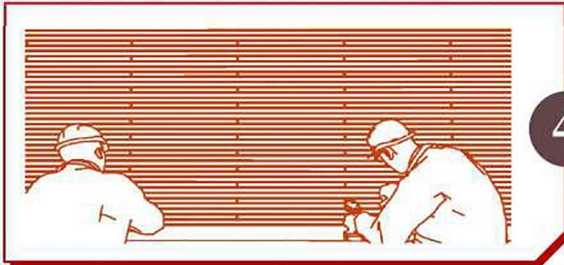
2

Lay the Conwood Plank 1" on the wall with the tongue and groove facing up. Then use a wood drill, 1/8" to drill into planks at every 50 cm. in order to mark position before drilling and inserting plugs.



3

Drill the rendered cement wall with cement drill, 1/4" = 6.35 mm., 3 cm. deep. Then, insert plugs No. 7 for all drilling holes.



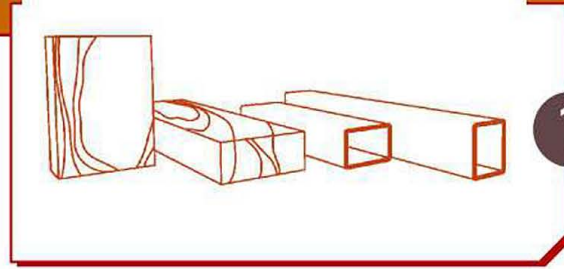
4

Place Conwood Plank 1" in the same position and counter bore with wood drill, 5/16" = 7.94 mm., 3-5 mm. deep. Screw in tapping screw No. 7, 2" long until the full length is in. Completely cover the screw head with PU sealant. Leave to dry then scrub with sand paper until smooth.

Remarks:

1. Do not paint Conwood Plank 1" with oil-based paint as the color will swell and flake later.
2. Do not apply Conwood Plank 1" as the building's structure as it may cause damage or cracks.
3. Using wood drill 5/16" = 7.94mm and drilling 0.5cm deep. Then properly using No.7 45mm long screws to prevent cracks.
4. For Conwood Planks 1" installation, fix in the middle and at least 1 inch or 2.5 cm. away from the edge.
5. For the best installation solution, you must ask or consult technical support before installation.
6. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

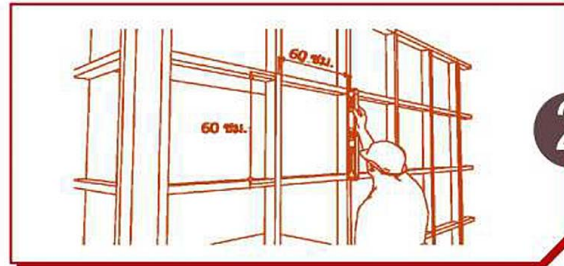
On wooden and metal frames



1

The materials used for frames are as follows:

- hardwood frame, 1 1/2 x 3" coated with anti-termite coating and has been dried well
- steel frame (rectangular tube), 1 1/2" x 3" or 2" x 1", 2.3 mm. thick, 0.60 x 0.60, coated with anti-rust solution.



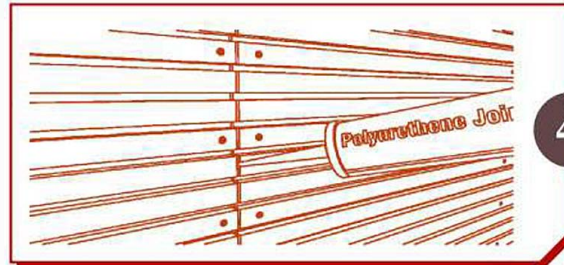
2

The gap of the fram must be at 60 x 60cm only. Start installing from the bottom.



3

No.7 32mm screws can be used for installing.

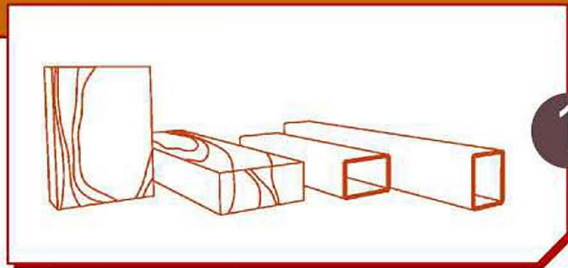


4

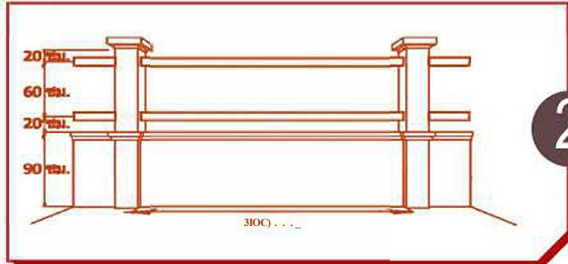
Cover the screw head with PU sealant. Leave to dry then scrub with sand paper until smooth.

1.0 meter fence

1.50 meter fence



Prepare metal tube, 1.5 x 3", 2.3 mm. thick, coated with anti-rust solution or hard wood frame, 1.5 x 3", coated with anti-termite coating and well dried.



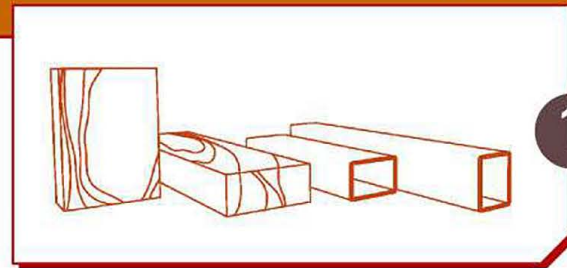
The distance between each frame should not exceed 60 cm. Fix the product at 20 cm. in from the edge on both sides for good appearance resembling natural wood.



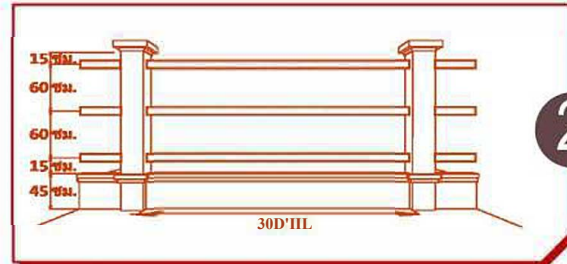
Install Conwood Fence with steel frame by inserting tapping screw No. 7, 32mm long until the full length is in.



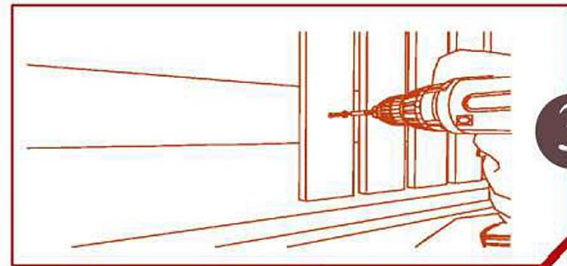
In painting, Conwood Fence with cream primer can be directly coated with water-based paint. For Conwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.



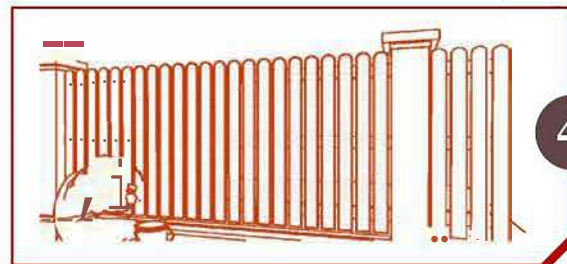
Prepare metal tube, 1.5 x 3", 2.3 mm. thick, coated with anti-rust solution or hard wood frame, 1.5 x 3", coated with anti-termite coating and well dried.



The distance between each frame should not exceed 60 cm. Fix the product at 15 cm. in from the edge on both sides for good appearance resembling natural wood.



Install Conwood Fence with steel frame by inserting tapping screw No. 7, 32mm long until the full length is in.



In painting, Conwood Fence with cream primer can be directly coated with water-based paint. For COwood natural color, paint with contact primer for old concrete once or twice then layer with water-based paint two or three times.

Remarks:

1. Do not paint Conwood Fence with oil-based paint as the color will swell and flake later.
2. Do not apply Conwood Fence as the building's structure as it may cause damage or cracks.
3. Using wood drill 5/16" = 7.94mm and drilling 0.5cm deep. Then properly using No.7 45mm long screws to prevent cracks.
4. For Conwood Fence installation, fix in the middle and at least 1 inch or 2.5 cm. away from the edge.
5. For the best installation solution, you must ask or consult technical support before installation.
6. Our installation manual is regularly updated for the latest information and quicker installation. Supervisors, engineers and installer must check if the installation manual used is the latest version. For the latest update, Call Center 1732 press 4.

Calculation of usage areas of Conwood Fence 4":

Y (cm.) length of distance between posts	100	150	200	250	300
X(cm.)distance between each fence	2	2	2	2	2
Number of fences used	8	12	16	20	24

" Calculation of number of Conwood Fence 4" used per area (meter) is for initial approximation.

Technical Data Sheet

Specifications	Standard	Unit	Test Results
Dimensional Tolerance			
Length	ASTM C1185	mm.	+/- 2.5
Width	ASTM C1185	mm.	+/- 5.0
Thickness	ASTM C1185	mm.	+/- 1.0
Density	ASTM C1185	g./cm ³	1.2
Moisture Content	ASTM C1185	%	5
Water Absorption	ASTM C1185	%	30
Dimensional Stability	ASTM C1185	-	0.27
Ignitability	BS 476 Part 5	-	Pass
Fire Propagation Index	BS 476 Part 6	-	1 = 0
Surface Spread of Flame	BS 476 Part 7	-	Class 1
Fire Resistance	BS 476 Part 22	-	30-60 minutes*
pH -Value	-	pH	9
MOE	ASTM C1185	Mpa.	5,000-8,000
Flexural Strength	ASTM C1185	Mpa.	11-15
Thermal Conductivity	ASTM C177-97	W/m.K	0.18
Thermal Resistance	ASTM C177-97	m ² .K/W	0.082

Remark: Fire resistance testing is in accordance with Conwood installation standard

Terms and Conditions

We reserve the right to be responsible for use of Conwood products for the purpose other than or different from Conwood installation standard. For more information regarding use or installation, please download the Standard Installation of Conwood Products on www.conwood.co.th or contact the Conwood call center at 1732 press 4.

..We reserve the right to change any details specified without prior notice.



Certified by
Green Label of Singapore



Beauty as
a real wood



Cost and time saving



Termite Free



Able to saw



Easy to install



Fire resistant



Weather resistant



100% Asbestos free

Tools for Fixing Conwood Products

			
Personal Safety Equipment Helmet	Level measuring device Spirit level	Perpendicular measuring device Steel equal angle	Measuring tool Measuring tape
			
Hammering tool Nail Hammer	Drilling tool Drill / electric screwdriver	Cutting tool Low speed angle grinder	Sealing tool Polyurethane (PU) silicone
			
Paint brush	Cutting tool Hand saw	Chiseling tool Chisell	Dust Protection Tool Mask

Tools for Securing Conwood Products

Tools	Size of Screw	Type of Frame
	• nails, full size 1.5"	• wooden frame
	• nail for air nail gun, (T-head)	• wooden frame
	• No. 7 (25, 32, 45 mm.)	• steel frame
	• No. 7 2"	• cement wall, cement floor
	• ready-to-use plug No. 7 (plastic plug)	• cement wall, cement floor
	• wood drill or steel drill 1 7/8" - 3.18 mm cement drill	• for drilling as lead
	• cement drill 1 1/4" - 6.35 mm	• for drilling cement floor or wall
	• wood drill or steel drill 5/16" - 7.94 mm.	• for counter bore
	• latex glue	
	• Screw fastener	



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