

SUPER DURABLE **WOOD SUBSTITUTE PLANK**



As beautiful as natural woods



Fireproof, moisture-proof



Anti-termite, warps



Super-durable quality

DURAwood®

ARE YOU READY TO WELCOME “WOOD” HOME WITH **5** different textures of **DURA***Wood*®

Wood always brings subtle elegance to your home. At Saint-Gobain, we offer you the solution of material as beautiful as natural wood, but more durable than wood. This is **DURAwood**® “Green wood”, a wood substitute material that is suitable for severe weather conditions.



High scratch resistance suitable for decoration of floor, stairs, furniture, or other load bearing applications.



Specializes in the exterior wall or other vertical decorative surfaces to replace wood, stones, ceramic tiles, or painted surfaces that help to improve the aesthetics, elegance, and durability of the building.





STONE TEXTURE

The surface is concaved as it is a combination of thousands of stones lying on the surface. The papule texture helps the reflective surface to create iridescent beauty and luxury.



PINE TEXTURE

It is one of the most favored textures because of the natural arrangement of twisted wood textures. The texture effect is harmonious between dark and light, creating a youthful, warm, modern atmosphere.



OAK TEXTURE

Coarse textures, gliding lightly like flowing water, bring a real sense of "Wood" to the atmosphere.



ASH TEXTURE

Distinct, large wood fiber with wavy end-texture and round rings create floral patterns that are not too complicated for rustic, rudimentary beauty.



FLAT SCRATCHED TEXTURE

Straight and small textures, with raindrops effect, create a light and comfortable texture, suitable for those who like simplicity and subtlety.

THE WIDTH OF
DURAwood®



75mm



100mm



150mm



200mm

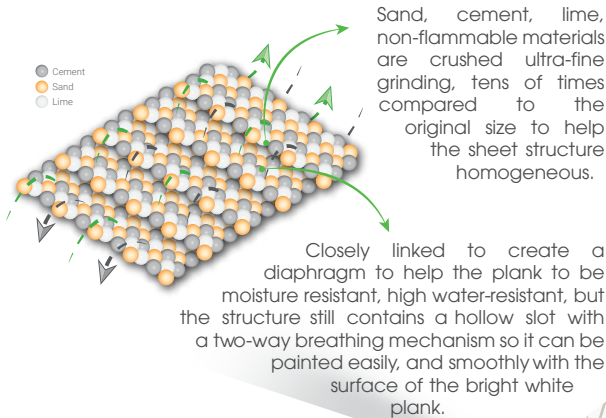


250mm

WHAT ARE THE OUTSTANDING FEATURES OF DURAwood®

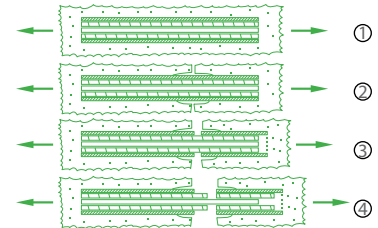
DURAwood® is a wood substitute material using modern technology in order to create wood textures as real and beautiful as real wood but more super durable, and specialized in outdoor areas under severe weather conditions. The product quality is strictly controlled by the European Group - Saint-Gobain.

1 MOISTURE PROOF



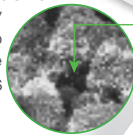
2 ELASTICITY

Combined cellulose paper matrices help the plank have a durable, tough structure even when subjected to strong forces. The board does not break suddenly but must pass many layers of protection to the core.



5 SUPER HARD

Autoclave technology at high temperatures, high pressure, chemical compositions, stabilize crystalline structures to create a solid structure composed of calcium silicate minerals, mainly tobermorite. This helps the plank to have higher strength, especially the fire resistance, to create the product's super-durability.



3 BEAUTIFUL AS NATURAL WOOD

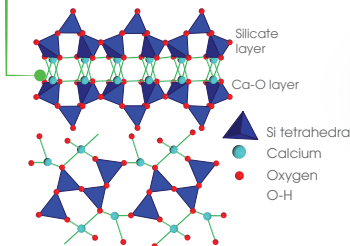


Wood texture molds are applied with a special technology to withstand the impact and high temperature in the pressing process but still ensure the beauty is close to natural wood.

4 NON ASBESTOS



DURAwood® does not contain asbestos, a substance causing cancers. It is certified 4 ticks (Leader) by the Singapore Green Building Council.



PAINT COLORS FOR REFERENCE



DURAwood®
Amber



DURAwood®
Coffee Brown



DURAwood®
Dark Brown



DURAwood®
Dark Green



DURAwood®
Ebony



DURAwood®
Iron Wood



DURAwood®
Light Brown



DURAwood®
Natural



DURAwood®
Pine Wood



DURAwood®
Red Oak



DURAwood®
Walnut



DURAwood®
White Oak

(*) Saint-Gobain only supplies **DURAwood®** panels.
Colours shown are intended as a guide only. Slight colour variations may exist between chart colours and the actual product.

7 FEATURES OF DURAwood®



LIKE NATURAL
WOOD



FIRE
RESISTANT



NO WARP
OR SHRINKAGE



VARIETIES
EASY TO PROCEED



VARIOUS
COLORS



HIGH IMPACT
RESISTANT



ANTI
TERMITE



SAFE FOR
HEALTH

APPLICATIONS OF **DURA**wood®

DURAwood® has color and texture like natural wood, but it can withstand high humidity, no shrinkage, anti-termite, so it suits both interior and exterior applications such as ceiling, wall, floor, garden, skirting, stairs.

SIDING BOARD, SKIRTING

TEXTURE

- ☒ Stone
- ☒ Pine
- ☒ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☒ 8mm
- ☒ 10mm
- ☒ 12mm
- ☐ 16-18mm
- ☐ 20mm

APPLIED ON CEILING

TEXTURE

- ☒ Stone
- ☒ Pine
- ☒ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☒ 8mm
- ☐ 10mm
- ☐ 12mm
- ☐ 16-18mm
- ☐ 20mm



PERGOLA

TEXTURE

- ☒ Stone
- ☒ Pine
- ☒ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☒ 8mm
- ☒ 10mm
- ☒ 12mm
- ☐ 16-18mm
- ☐ 20mm

FLOOR, COURTYARD

TEXTURE

- ☐ Stone
- ☐ Pine
- ☐ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☐ 8mm
- ☐ 10mm
- ☒ 12mm
- ☒ 16-18mm
- ☒ 20mm

FENCES

TEXTURE

- ☒ Stone
- ☒ Pine
- ☒ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☐ 8mm
- ☐ 10mm
- ☒ 12mm
- ☒ 16-18mm
- ☒ 20mm

STAIR SURFACE

TEXTURE

- ☐ Stone
- ☐ Pine
- ☐ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☒ 8mm
- ☐ 10mm
- ☒ 12mm
- ☒ 16-18mm
- ☒ 20mm

SIDING BOARDS

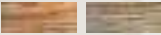
DURAwood® is an ideal collection for wall application and decoration and offers beauty as natural as real wood.

TEXTURE

- ☑ Stone
- ☑ Pine
- ☑ Oak
- ☑ Ash
- ☑ Flat Scratched

THICKNESS

- ☑ 8mm
- ☑ 10mm
- ☐ 12mm
- ☐ 16-18mm
- ☐ 20mm

TEXTURE	COMBINED COLOR	MODEL	STYLE
Stone	Gray or creamy yellow, can make square shape or brick style.		Natural and simple
Oak	Multi-color natural wood with the master color of both dark and bright brown.		Classic charming
Pine	Monochrome: smoky gray, greenish, creamy white is trendy and never outdated. Combined with oak and pine grains, DURAwood® creates a “westernized” atmosphere, making your home extremely luxurious.		Luxurious, Subtle
Ash			
Flat Scratched	Monochrome with hot colors such as red and brown, it accentuates the personality and helps the atmosphere become unique.		Unique,extraordinary



CEILING

Ceiling with wood patterns always brings a cozy atmosphere to your home. The choice of paint colors with wood textures will bring out the values of the homeowner's such as the desire of having three generations under the roof. The combination of **DURAwood®** planks with Saint-Gobain metal frame system also helps the home be against heat, moisture or noise with the constant change of weather.

TEXTURE

- ☑ Stone
- ☑ Pine
- ☑ Oak
- ☑ Ash
- ☑ Flat Scratched

THICKNESS

- ☑ 8mm
- ☐ 10mm
- ☐ 12mm
- ☐ 16-18mm
- ☐ 20mm



TEXTURE	COMBINED COLOR	MODEL	STYLE
Stone	Gray or creamy yellow, can make square shape or brick style.	 	Natural, simple
Oak	Multi-color natural wood with the master color of both dark and bright brown.	 	Classic charming
Pine	Monochrome: smoky gray, greenish, creamy white is trendy. The color is never outdated, combined with oak and pine grains. DURAwood® creates a "westernized" atmosphere, making your home extremely luxurious.	 	Luxurious, Subtle
Ash			
Flat Scratched			



FLOOR

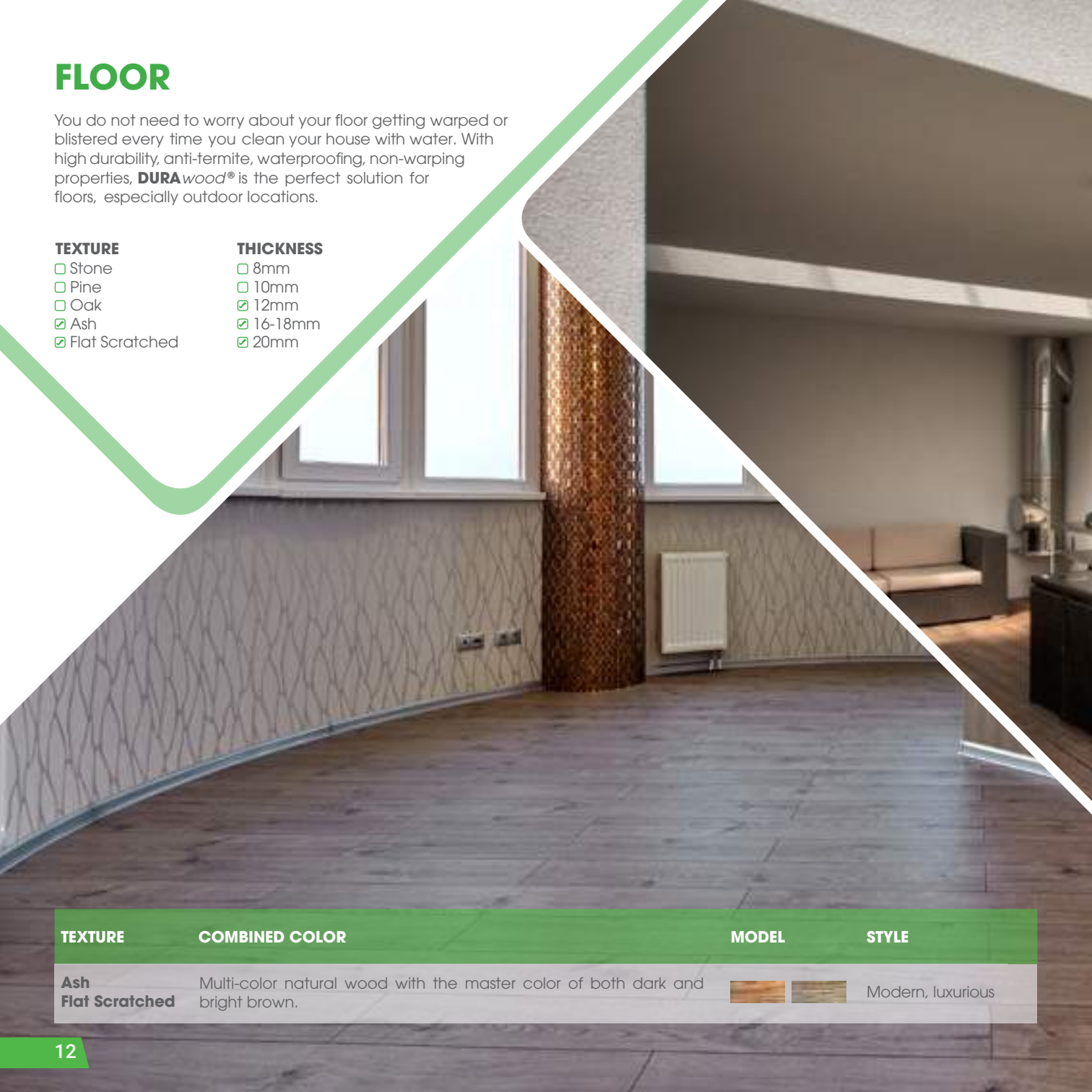
You do not need to worry about your floor getting warped or blistered every time you clean your house with water. With high durability, anti-termite, waterproofing, non-warping properties, **DURA**wood® is the perfect solution for floors, especially outdoor locations.

TEXTURE

- ☐ Stone
- ☐ Pine
- ☐ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☐ 8mm
- ☐ 10mm
- ☒ 12mm
- ☒ 16-18mm
- ☒ 20mm



TEXTURE	COMBINED COLOR	MODEL	STYLE
Ash Flat Scratched	Multi-color natural wood with the master color of both dark and bright brown.	 	Modern, luxurious



COURTYARD, SWIMMING POOL

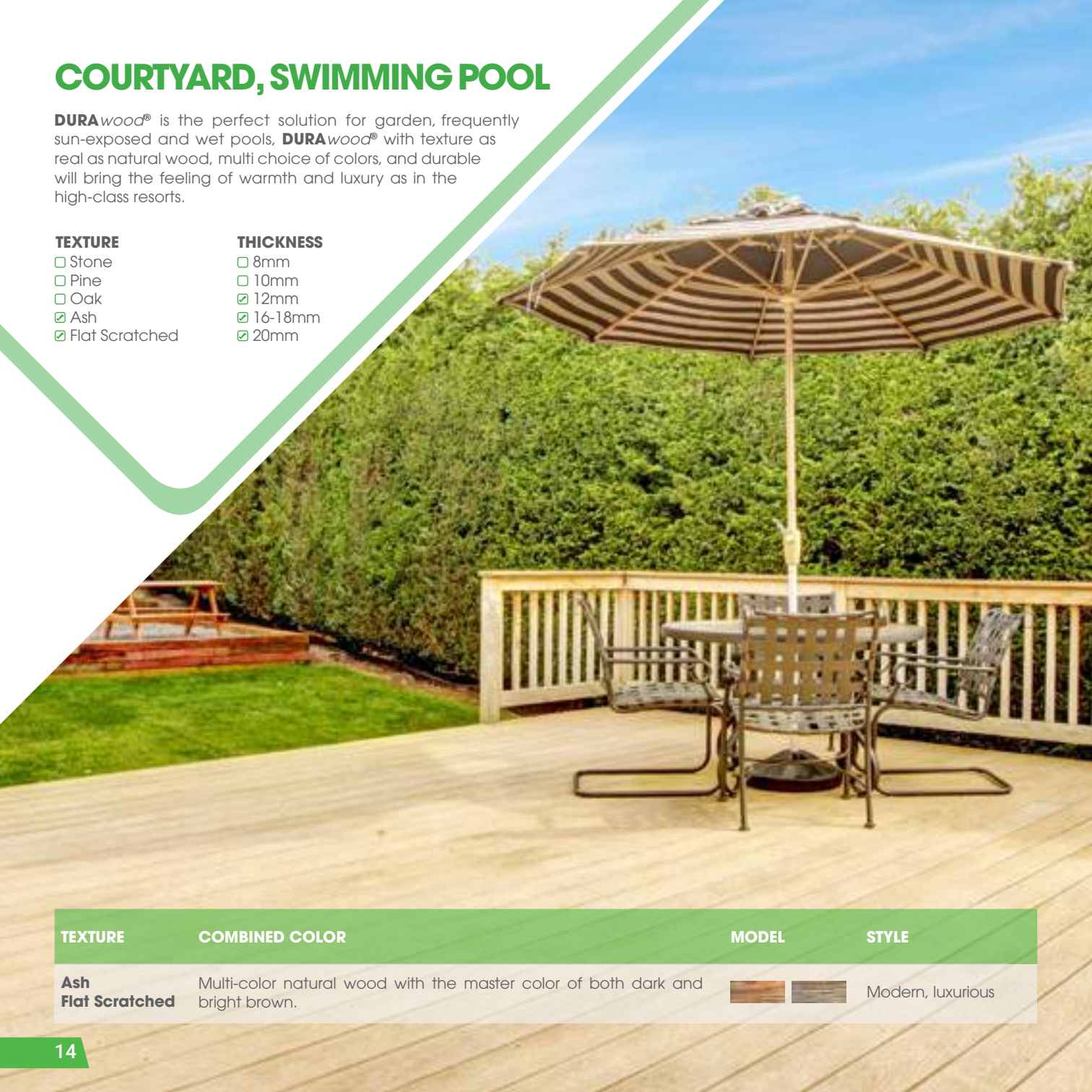
DURAwood® is the perfect solution for garden, frequently sun-exposed and wet pools, **DURAwood®** with texture as real as natural wood, multi choice of colors, and durable will bring the feeling of warmth and luxury as in the high-class resorts.

TEXTURE

- ☐ Stone
- ☐ Pine
- ☐ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☐ 8mm
- ☐ 10mm
- ☒ 12mm
- ☒ 16-18mm
- ☒ 20mm



TEXTURE	COMBINED COLOR	MODEL	STYLE
Ash Flat Scratched	Multi-color natural wood with the master color of both dark and bright brown.	 	Modern, luxurious



PERGOLA

Create cooling and relaxing space for your house by using **DURAwood®** decorative plank with texture of oak or ash etc. The product is non-heat-absorbing, so you can enjoy the space under the pergola in front of the house or on terrace.

TEXTURE

- ☑ Stone
- ☑ Pine
- ☑ Oak
- ☑ Ash
- ☑ Flat Scratched

THICKNESS

- ☑ 8mm
- ☑ 10mm
- ☑ 12mm
- ☑ 16-18mm
- ☑ 20mm



TEXTURE	COMBINED COLOR	MODEL	STYLE
Oak	Multi-color natural wood with the master color of both dark and bright brown.		Appealing, classic
Pine			
Ash	Monochrome: smoky gray, greenish, creamy white is trendy. The color is never outdated, combined with oak and pine grains. DURAwood® creates a "westernized" atmosphere, making your home extremely luxurious.		Luxurious, Subtle
Flat Scratched			



FENCES

Designed for outdoor use, and suitable for the hot and humid climate, fence plank with a texture of oak, ash, or pine with superior properties such as sturdy, durable, water-resistant suitable for civil and industrial works.

TEXTURE

- ☑ Stone
- ☑ Pine
- ☑ Oak
- ☑ Ash
- ☑ Flat Scratched

THICKNESS

- ☐ 8mm
- ☐ 10mm
- ☑ 12mm
- ☑ 16-18mm
- ☑ 20mm

TEXTURE

COMBINED COLOR

MODEL

STYLE

Stone	Gray or creamy yellow, can make square shape or brick style.		Natural, simple
Oak	Multi-color natural wood with the master color of both dark and bright brown.		Classic charming
Pine	Monochrome: smoky gray, greenish, creamy white is trendy. The color is never outdated, combined with oak and pine grains. DURAwood® creates a "westernized" atmosphere, making your home extremely luxurious.		Luxurious, Subtle
Ash			
Flat Scratched			



STAIRS

VERTICAL, HORIZONTAL PLANE

The stairs also has a mission to beautify the house gracefully. Wooden staircases have become increasingly popular, with **DURAwood®**, homeowners have a choice of ash and flat scratched wood textures for stairs. **DURAwood®** has features compared to natural wood, such as durability, water resistance, waterproofing and low cracking properties.

TEXTURE

- ☐ Stone
- ☐ Pine
- ☐ Oak
- ☒ Ash
- ☒ Flat Scratched

THICKNESS

- ☒ 8mm
- ☐ 10mm
- ☒ 12mm
- ☒ 16-18mm
- ☒ 20mm

TEXTURE

Ash
Flat Scratched

COMBINED COLOR

Multi-color natural wood with the master color of both dark and bright brown.

MODEL



STYLE

Modern, luxurious



SKIRTING

Having anti-moisture and heat resistant properties with high aesthetics, no smears, and anti-termites, **DURAwood®** stone, flat scratched wood texture will be the perfect choice for your home.

TEXTURE

- ☑ Stone
- ☑ Pine
- ☑ Oak
- ☑ Ash
- ☑ Flat Scratched

THICKNESS

- ☑ 8mm
- ☑ 10mm
- ☑ 12mm
- ☐ 16-18mm
- ☐ 20mm

TEXTURE	COMBINED COLOR	MODEL	STYLE
Stone	Gray or creamy yellow to create square shape or staggered steel tubes.	 	Natural, simple
Oak	Multi-color natural wood with the master color of both dark and bright brown.	 	Classic charming
Pine		 	Luxurious, Subtle
Ash	Monochrome: smoky gray, greenish, creamy white is trendy. The color is never outdated, combined with oak and pine grains. DURAwood® creates a "westernized" atmosphere, making your home extremely luxurious.	 	
Flat Scratched			

SPECIFICATIONS

SIDING BOARD

TEXTURE	DIMENSIONS (mm) (W x L x T)	WEIGHT (kg/plank)	WEIGHT (kg/m ²)	USAGE QUANTITY (plank/m ²)
	75 x 2440 x 8	2.3	12.6	5.5
Stone	100 x 2440 x 8	3.1	12.7	4.1
	150 x 2440 x 8	4.7	12.8	2.7
Pine	200 x 2440 x 8	6.2	12.7	2.1
Oak	75 x 2440 x 10	3.4	18.7	5.5
Ash	100 x 2440 x 10	4.5	18.5	4.1
Flat Scratched	75 x 2440 x 12	3.4	18.7	5.5
	100 x 2440 x 12	4.5	18.5	4.1

PERGOLA, PORCH, FENCE, BASEBOARD

TEXTURE	DIMENSIONS (mm) (W x L x T)	WEIGHT (kg/plank)	WEIGHT (kg/m ²)	USAGE QUANTITY (plank/m ²)
	75 x 2440 x 8	2.3	12.6	5.5
	100 x 2440 x 8	3.1	12.7	4.1
	150 x 2440 x 8	4.7	12.8	2.7
	200 x 2440 x 8	6.2	12.7	2.1
	75 x 2440 x 10	3.4	18.7	5.5
Stone	100 x 2440 x 10	4.5	18.5	4.1
Pine	75 x 2440 x 12	4.4	24.2	5.5
Oak	100 x 2440 x 12	5.9	24.2	4.1
Ash	75 x 2440 x 16	4.4	24.2	5.5
	100 x 2440 x 16	5.9	24.2	4.1
Flat Scratched	200 x 2440 x 16	11.8	24.8	2.1
	100 x 2440 x 18	6.6	27.1	4.1
	200 x 2440 x 18	13.3	27.9	2.1
	100 x 2440 x 20	7.1	29.8	4.1
	200 x 2440 x 20	14.2	29.8	2.1

COURTYARD, SWIMMING POOL

TEXTURE	DIMENSIONS (mm) (W x L x T)	WEIGHT (kg/plank)	WEIGHT (kg/m ²)	USAGE QUANTITY (plank/m ²)
	100 x 2440 x 12	4.5	18.5	4.1
	200 x 2440 x 12	9.0	18.9	2.1
	100 x 2440 x 16	5.9	24.2	4.1
Ash	200 x 2440 x 16	11.8	24.8	2.1
Flat Scratched	100 x 2440 x 18	6.6	27.1	4.1
	200 x 2440 x 18	13.3	27.9	2.1
	100 x 2440 x 20	7.1	29.1	4.1
	200 x 2440 x 20	14.2	29.8	2.1

STAIRS

TEXTURE	DIMENSIONS (mm) (W x L x T)	WEIGHT (kg/plank)	WEIGHT (kg/m ²)	USAGE QUANTITY (plank/m ²)
	Vertical plane 150 x 1220 x 8	2.3	12.6	5.5
	Horizontal plane			
	250 x 1220 x 12	5.6	18.5	3.3
Ash	250 x 1220 x 16	7.4	24.4	3.3
Flat Scratched	250 x 1220 x 18	8.3	27.4	3.3
	100 x 2440 x 20	7.1	29.1	4.1
	200 x 2440 x 20	14.2	29.8	2.1

Note: The sheet size can be produced according to the specific requirements of the customer.



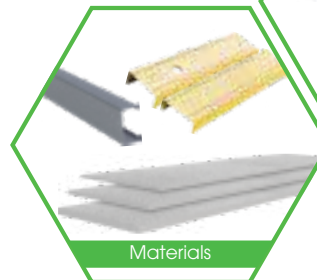
INSTALL THE SIDING BOARD

DURAwood®

STEP 1

Measure the location and prepare materials

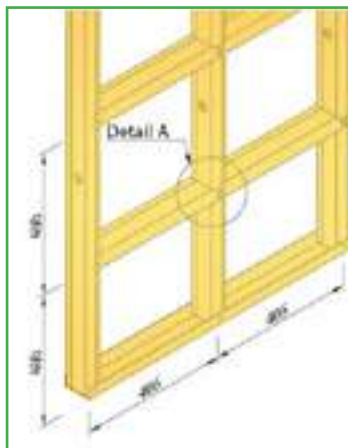
- Choose frame material
- Select **DURAwood®** plank (Select the size, select the wood texture.)



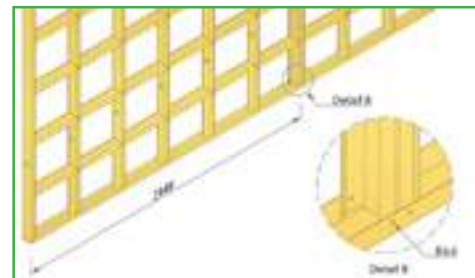
STEP 2

Prepare the surface

- Install the C studs vertically with spacing of 610mm.



- At the gap of the two **DURAwood®** planks, we will joint two C studs together, to reinforce and handle the gap of the two planks.



* FLAT STYLE

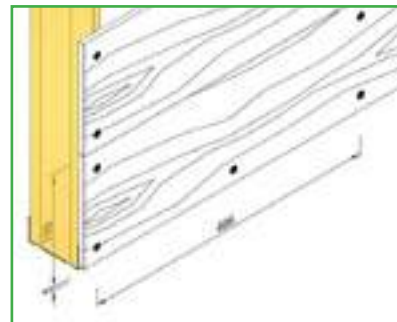
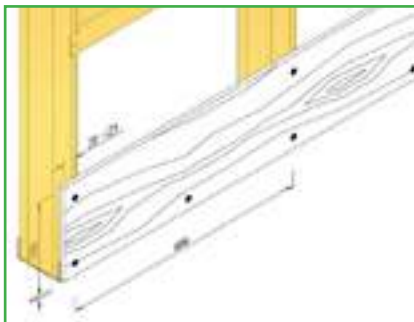
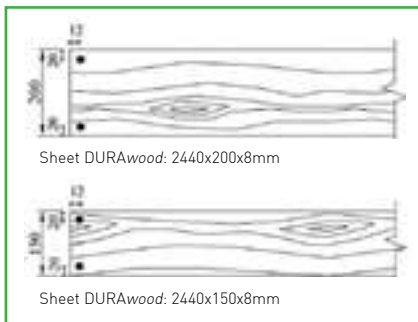
STEP 3 Apply DURAwood® planks onto the surface

3.1 Apply directly onto the flat wall surface

Apply **DURAwood®** planks directly onto the surface by using weber's e.mix tile fix 383 (C2TES1) flexible adhesive for fixing tile.

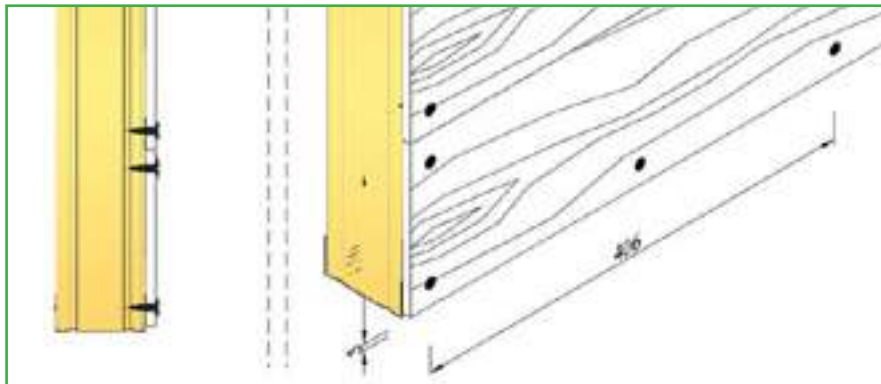
3.2 Apply DURAwood® planks onto the metal frame

- Fix the first plank onto the frame with a screw from the top edge and the bottom edge of 20mm, at least 12mm from the outer edge.
- Install the **DURAwood®** plank at the bottom of the wall first, 5mm above the floor to apply silicone for waterproofing.
- Continue with the second plank, jointing edge to edge with the first one, repeat until the last one.



• Use the M3.5x40mm screw to fix the **DURAwood®** plank onto the frame.

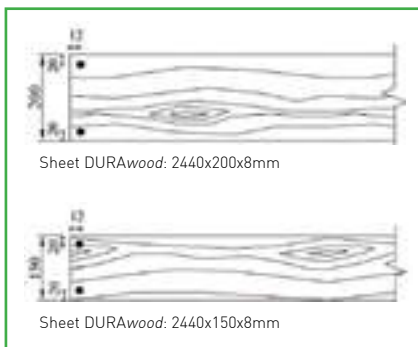
• Fix the screw 12mm from the edge. Fix 1 screw if the width of the plank is $\leq 100\text{mm}$; 2 screws if the width of the plank $> 100\text{mm}$.



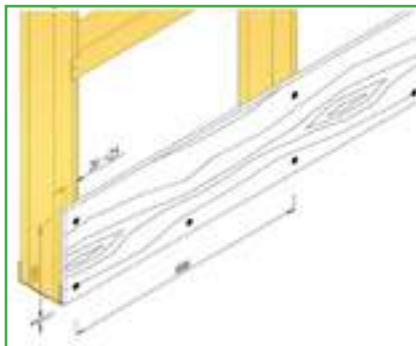
* FISH SCALE STYLE

STEP 3 Fix DURAwood® planks onto the metal frame

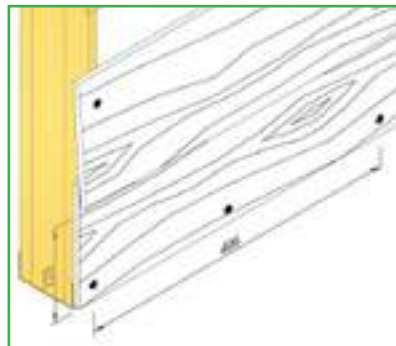
- Fix the first plank on the wall with a screw from the top edge and the bottom edge of 20mm, at least 12mm from the outer edge.



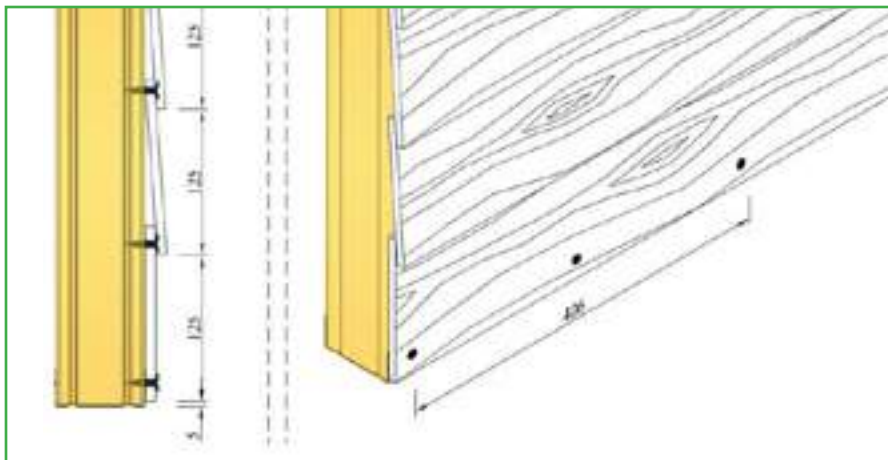
- Install the **DURAwood®** plank at the bottom of the wall first, 5mm above the floor to apply silicone for waterproofing.



- Continue with the second plank to overlap the first plank with distance of 25mm, repeat until the the last one.



- Use the M3.5x40mm screw to fix the **DURAwood®** plank onto the frame.
- Make sure the overlap is 25mm and mark these positions to fit the next plank.
- Fix screw to the position marked 20mm from the edge and at least 12mm away from the outer edge to cover the screw head.

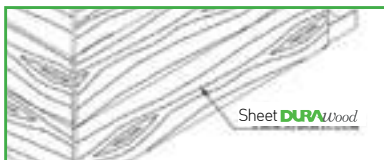


STEP 4 Joint treatment between 2 planks Handle the overlap gap.

- Connect 2 planks to create a gap of 3-5mm.
- Pump some waterproof silicon with the color is close to the color of the plank into the joint of 2 planks and press the silicon until covering the whole gap.



the color is close to the color of the plank into the joint of 2 planks and press the silicon until covering the whole gap.



◀ Handle the corner of 2 planks.



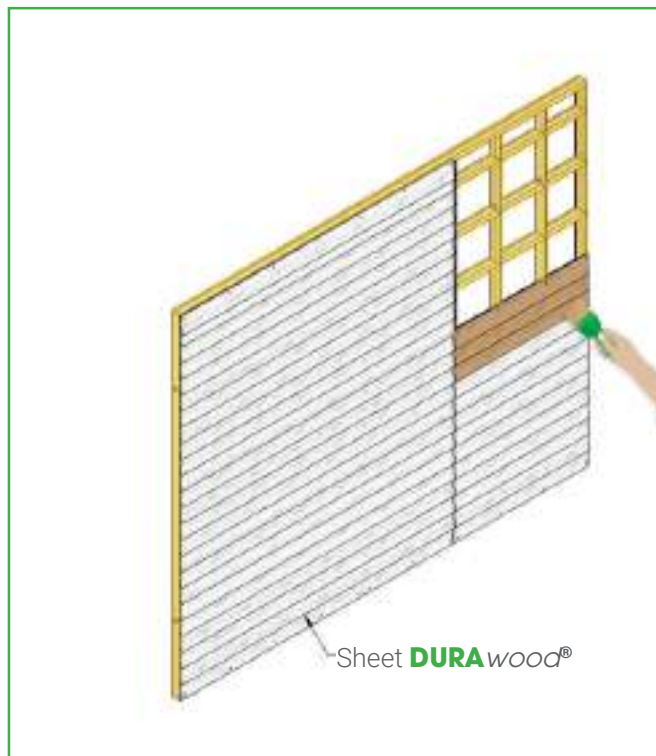
◀ Use a piece of the **DURAwood®** plank to cover the corner.



◀ Handle the corner use **DURAwood®** plank to Cover the corner.

STEP 5 Finishing with paint

- Use specialized paint for **DURAwood®** to coat the surface.
- Paint used for outdoor areas is waterproof and must be rolled 2 to 3 times.





INSTALL DURAwood® FOR FLOOR

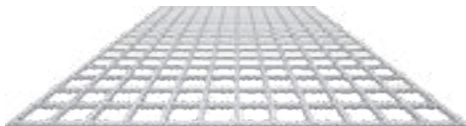
STEP 1 Measure the location and prepare materials

- Determine the floor size
- Preparation of tools and materials including steel tube, 12mm - 20mm DURAwood® plank and accessories.



STEP 2 Prepare surface

2.1 Install steel tubes to make base frame (apply on unflat floor or steel base frame floor).



Installation of steel base frame with steel tube, the distance between the main steel tubes maximum of 405mm. Install additional support steel tubes as required.

2.2 Apply directly the sheet onto the concrete surface.



Clean the area to be installed, remove any obstructions from the floor surface. Make sure the floor surface is flat before installing the sheet.

STEP 3

Install DURAwood®

3.1 Installation on the base frame

Use 12-20mm **DURAwood®** planks to install on the frame. Fix the plank onto the frame with a self-drilling screw. Depending on the width of the plank to use one screw or two screws (the plank width $\leq 100\text{mm}$ fix a screw in the middle, the width $>100\text{mm}$ link two screws with the space of 15mm from the long edge of the plank).

Note: After fixing, screws must be lower than the plank surface from 1 to 2mm.



3.2 Install planks on concrete surface

Use Weber.tai.flex special adhesive tile to fix plank to surface or use a special nail gun to fix **DURAwood®** planks with T-nail onto the surface. It depends on the width of the plank so that using one or two nails (the plank width $\leq 100\text{mm}$ fix a screw in the middle, the width $>100\text{mm}$ link two screws with the space of 15mm from the long edge of the plank).

The gap between the two planks is 3-5mm.



STEP 4

Screw heads and waterproof treatment

Screw heads or nail heads treatment by using **DURAFlex®** jointing compound, or specialized products.



STEP 5

Finishing with deco paint

- Clean sheet surface.
- Use Epoxy paint for floor or other specialized paint to prevent scratches.





INSTALL PERGOLA WITH **DURA**wood®

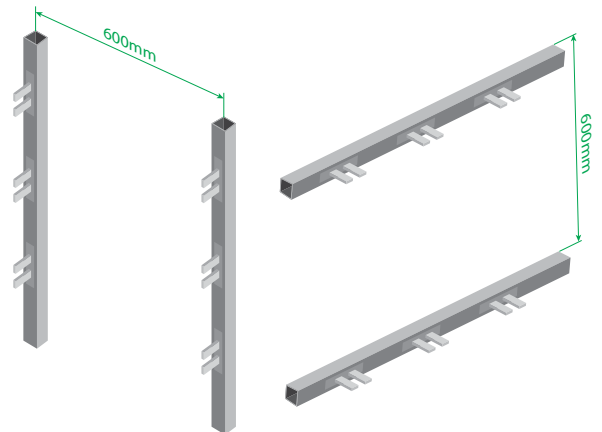
STEP 1 Measure the location and prepare materials

- Determine the location and size of frame and calculate the needed amount of materials.
- Preparation of tools and materials including steel tube, **DURA**wood® plank with the width 75 - 100mm, thickness from 8mm - 12mm depending on the design.



STEP 2 Install the steel frame

Install steel tubes as the main pillars with the maximum spacing 600mm between the tubes. Depending on the direction of the house and drawings then we have a base frame layout in the vertical or horizontal style.

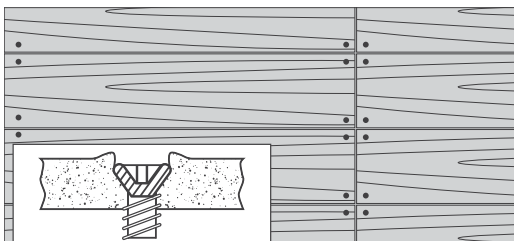


STEP 3

Install DURAwood® planks onto the frame

Style 1:

Install **DURAwood®** planks onto the base frame. There are many ways to install **DURAwood®** planks onto the frame depending on the design to choose the appropriate way.



Style 2:

Install **DURAwood®** planks perpendicular to base frame with V-shape suspension brackets.



Style 3:

Install **DURAwood®** planks at a tilt angle of 45 degrees onto the frame with V-shape suspension brackets.

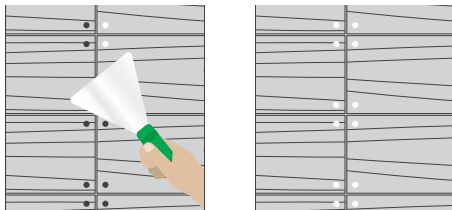


STEP 4

Screw heads treatment

Use joint compound or specialized ones for screw heads treatment.

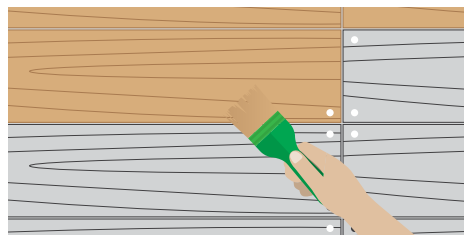
After handling, the screw holes must be sealed, the surface is flat.



STEP 5

Finishing with deco paint

As the surface of the lam must be exposed to the sun and rain, choose exterior solutions to finish the surface to ensure durability for the whole system.



OTHER IDEAL APPLICATIONS FROM DURAwood®



WALL AT THE COUTYARD



BALCONY CORNER



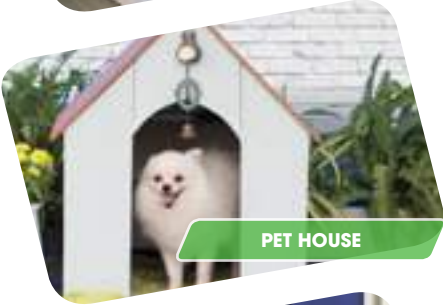
FLOWER POT



BENCHES ON TERRACE



AQUARIUM



PET HOUSE



FLOOR OF COURTYARD



FISH TANK



WALL, FLOWER TROUGH

DURAwood® IDENTIFICATION



Content:
Specification, quantity, type of texture,
lot number, date of manufacture.

YOU MAY NOT KNOW



GREEN PRODUCTS FOR GREEN LIFE

Using **DURAwood®** instead of natural wood, you are contributing to a green life by minimizing current deforestation. **DURAwood®** is also the first cement board brand to be awarded 4 ticks (Leader) by the Singapore Green Building Council and is strictly controlled by the world-leading Building Materials Group, Saint-Gobain.

SUPER FAST BUILDING MATERIALS

Comprehensive construction model for the entire 'wall-ceiling-floor' system, indoor or outdoor, the construction speed is 8 times faster than traditional methods. Only by shooting nails/screws on the flat surface/wall, you quickly create a luxurious space with unique architecture.

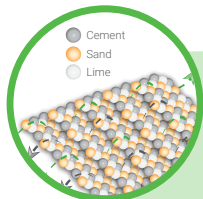


THE COMPREHENSIVE AESTHETIC MATERIALS

Wood is a building and decorative material that offers different luxury compared to other materials. Not only is **DURAwood®** excellent for decoration purposes, but it is also tough and durable.

ANTI-TERMITE ETERNALLY

Unlike the structure of natural woods, **DURAwood®** is made up of sand, limestone, and cement, with hi-end technology that form the durability and toughness of the plank structure.



WATER, MOISTURE RESISTANCE

Closely linked and bonded structure makes the plank highly resistant to moisture. The structure also has a hollow slot with a two-way breathing mechanism so that it is easy for decorative paint.

no worry about
sunshine,
not afraid of
rain



Saint-Gobain (Singapore) Pte Ltd
2 Venture Drive, #09-10/11/12/13/14
Vision Exchange, Singapore 608526

Tel: +65 6330 8288

Fax: +65 6330 8289

Email: EIS.info@Saint-Gobain.com

DURAWood®