DVYHVM™

DS DECOR SDN BHD

COMPANY PROFILE
2022

Innovative technology that revolutionises the way you live,
promising a sustainable future, today and beond

@dvyhvmdeckdesign

DVYHVM

ABOUT US

DVYHVM has years of experience since 2010 in manufacturing and marketing of wood polymer composite products from its inception. We have introduced a revolutionary product, 'Wood Polymer Composite (WPC), an advanced green technology which has been researched and developed by Malaysia Agricultural Research and Development Institude (MARDI)

The world is moving towards green. Our homes are no longer just a place to stay but rather a place to live, learn and linger. The trend to have a greener home has kept the industry alive, vreating more green building and green materials

DVYHVM provide customers with wood based materials that are environmentally sustainable in its design and function. DVYHVM aim to enhance every outdoor or indoor experience for both personal as well as professional use. Each DVYHVM space is carefully crafted with creativity and precise functionality, providing you with an enhanced wood based product design

DVYHVM

PHILOSOPHY & MISSION

It is within our philosophy to be responsible and sensitive to the environment. formation of DVYHVM is regarded as a greener product to meet the increasing demend of wood finishing products without compromising our natural woods.

COMPANY VISION

We aim to be the best in Wood Polymer Composite technology and aspire to create greener solutions through Research & Development (R&D) for your building requirements.

VALUE

With our Corporate mission to further expand our market reach globally, we keep close relationship and cooperation with all our clients, partners, institutions and government agencies.

We believe that the production of Wood Polymer Composite would strengthen our support in the upstream activities in Malaysia, providing more opportunities for local farmers in sustaining their livelihood.

DVYHVM

PRODUCT FEATURES

DVYHVM products specialises in high quality wood-plastic composite (WPC) products some of which include, decking, ceiling panels, wall panels as well as made to order WPC products for large quantity request, catered to your signature and personalised requirements.

WPC are sustainable, eco friendly wood plastic composite granule, which is made of wood powder and comes in varies colours. Not only do WPC products keep the high affinity of solid wood flooring but is also waterproof, weatherproof, insect resistant and can withstand being nailed and drilled.

WATERPROOF

WEATHERPROOF

FIRE RETARDANT

NON TOXIC

RECYCLE

ANTI TERMITE

DURABLE

DVYHVM

MARKET EMPIRE

CHINA
PHILIPPINES
INDONESIA
SINGAPORE
MALAYSIA
DUBAI
ISRAEL
SWITZELAND
POLAND
GERMANY
ENGLAND

TEST REPORT

INSTITUT PENYELIDIKAN PERHUTANAN MALAYSIA
Forest Research Institute Malaysia (FRIM)
52109 Kepong, Selangor Darul Ehsan
Tel : 603-6279 7000 Fax : 603-6273 1314
Website : www.frim.gov.my

Our Ref: FRIM394/490/5/13/Klt. 2(35) Date: 23rd Oct. 2012

KPC Manufacturing (M) Sdn. Bhd.
Lot 335(C), Batu 26
Jalan Sungai Lalang
Ulu Semenyih
43500 Semenyih
Selangor Darul Ehsan
(Attn.: Mr. Syaiful)

Sir,

REPORT ON DURABILITY OF WOOD PANEL AGAINST SUBTERRANEAN TERMITES

In reference of your request dated 13th August 2012, requesting for accelerated laboratory test for your wood panel samples against subterranean termite, I herewith attached a report on the result of the test.

Also attached is the Customer's Questionnaire form. Please fill it in and return to us either by hand, mail or fax (03-62804620).

Thank you.

"BERKHIDMAT UNTUK NEGARA"

Yours sincerely,

(DR. ROSZAINI KADIR)
Senior Research Officer
For Director General of FRIM

cc. Dr. Zaihan Jalaluddin
Head of Biocomposite and Wood Protection Programme

REPORT NO.: FRIM394/490/5/13/Klt.2 (35)	JOB NO.: WEL/CLS01/08/12
THIS REPORT CONTAINS 5 PAGES	PAGE 2 OF 5

REPORT ON DURABILITY OF WOOD PANEL AGAINST SUBTERRANEAN TERMITES

1.0 RESULTS AND OBSERVATION

Result of the accelerated laboratory test for durability of wood panel against subterranean termites (*Coptotermes gestroi* Wasmann) compared to rubberwood (untreated) in accordance to ASTM D3345-08 standard is shown in Table 1.

Table 1 Evaluation for durability of wood panel against subterranean termites compared to rubberwood (untreated) during the laboratory test in accordance to ASTM D3345-08 standard

Sample	Termite bioassay				
	Density (g/cm^3)	Weight loss (g)	Percentage of weight loss (%)	Average visual rating[2]	Termite mortality[3] (%)
Wood Panel	0.992 (0.067)	0.012 (0.002)	0.430[b] (0.053)	10[a]	100; Complete
Rubberwood	0.685 (0.026)	0.380 (0.059)	15.463[a] (1.976)	7[b]	100; Complete

[1]Each value represents the means of 5 replicates. Values in parentheses are standard deviations.
[2]Termite attack visual rating scale: 0, failure; 4, heavy; 7, moderate attack, penetration; 9, light attack, and 10, sound, surface nibbles permitted.
[3]Termite mortality is based on mean number of termite died (out of 400 total termites in the jar) after four weeks. Rating: 100%, complete; 67-99%, heavy; 34-66%, moderate; 0-33%, slight.
Mean value for percentage of weight loss (%) by the same letter are not significantly ($P<0.05$) different following ANOVA.

REPORT NO.: FRIM394/490/5/13/Klt.2 (35)	JOB NO.: WEL/CLS01/08/12
THIS REPORT CONTAINS 5 PAGES	PAGE 4 OF 5

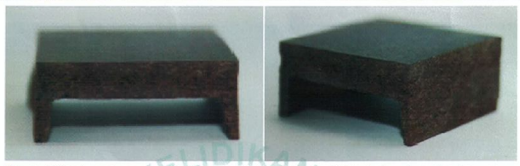

Figure 1 Wood panel samples after 4 weeks of termite test. **Left:** Front view. A rough edge was due to damage during the cutting process. **Right:** Side view.

Figure 2 Rubberwood samples after 4 weeks of termite test. **Left:** Front view. **Right:** Side view.

Prepared by	*Approved by*
ZAINI SOIT Research Assistant Wood Entomology Laboratory Date: 23/10/2012	**DR. ROSZAINI KADIR** Senior Research Officer Wood Entomology Laboratory Date: 23/10/2012

REPORT NO.: FRIM394/490/5/13/Klt.2 (35)	JOB NO.: WEL/CLS01/08/12
THIS REPORT CONTAINS 5 PAGES	PAGE 1 OF 5

Our Ref	:	FRIM394/490/5/13/Klt.2 (35)
Issued by	:	Wood Entomology Laboratory (WEL)
Title	:	**REPORT ON DURABILITY OF WOOD PANEL AGAINST SUBTERRANEAN TERMITES**
Applicant & Sponsor by	:	KPC Manufacturing (M) Sdn. Bhd. Lot 335(C), Batu 26 Jalan Sungai Lalang Ulu Semenyih 43500 Semenyih Selangor Darul Ehsan **(Attn.**: En. Syaiful)
Reference Standard / Test Method	:	ASTM D3345-08 **(result interpretation using AWPA E1-09)**
Specification of Test Item	:	Wood Panel (converted to 115 x 305 x 10 mm test block)
Product	:	-
Received Dates	:	13th August 2012
Job No.	:	WEL/CLS01/08/12
Test Dates	:	13/09/2012 - 18/10/2012
Issued Date	:	22nd October 2012

TEST REPORT

TEST REPORT: 7191045331-CHM12-TSL_CR1

Date: 22 OCT 2012 Tel: +65 68851335 Fax: +65 67784301

Client's Ref: Ref: 221400335 Email: sihai.li@tuv-sud-psb.sg

PSB Singapore

Choose certainty. Add value.

SUBJECT

Evaluation of Toxic Fumes Generated From Material Sample During Burning

CLIENT

KPC Manufacturing (M) Sdn Bhd
37G Jalan Sungai Long 11/7
43000 Kajang
Selangor
Malaysia

Attn : Mr Zulfairis Zulkifli

SAMPLE SUBMISSION DATE

10 Oct 2012

DESCRIPTION OF SAMPLE

Eight pieces of material sample labelled as follows were received.

1. Dayham Sample

DATE OF ANALYSIS

12 Oct 2012 – 22 Oct 2012

TÜV SÜD PSB

Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 5670
Email: testing@tuv-sud-psb.sg
www.tuv-sudpsb.sg
Co. Reg.: 199002387R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Franklin, Singapore 118223

METHOD OF TEST

Analysis of Pyrolysis and Combustion Gases Generated From the Sample

The test was conducted according to BS 6853:1999 Annex B, B.1 Mass Based Test Method - NF X 70-100 (2006) Method:

1.1 Sample Preparation of Test Specimen

The sample was conditioned at 23°C and 50% Relative Humidity for 48hours and tested as whole for the following tests.

1.2 Generation of Pyrolysis and Combustion Gases

Approximately 1.0 g of the sample was then used for the test in a stream of air at the air flow rate of 120L/hr at 1000oC for 20minutes in a tube furnace. A further 20minutes was used to air-flush the apparatus once residue sample was removed from tube furnace.

Toxic fumes collected during the burning were analysed by the following methods:

a) Carbon Monoxide and Carbon Dioxide : Directly determined by Horiba Automotive Emission Analyzer
b) Hydrogen Cyanide : By Pyridine – Pyrazalone Method
c) Others ions: By Ion Chromiatography

RESULTS:

Table 1: The Toxic Fumes Results For "Dayham" Sample

Toxic Fumes Generated	"Dayham" (mg/m^3 of Fire Effluents)	IDLH Values Limits [a] (mg/m^3)
1. Carbon Dioxide, Average (Carbon Dioxide, maximum)	1591 6078	73000 -
2. Carbon Monoxide, Average (Carbon Monoxide, maximum)	<200 228	1400 -
3. Hydrogen Fluoride, HF	<5	25
4. Hydrogen Chloride, HCl	<5	76
5. Hydrogen Bromide, HBr	<5	101
6. Sulfur Dioxide, SO2 [b]	<5	270
7. Nitrogen Dioxide, NO2 [c]	<5	38
8. Hydrogen Cyanide, HCN	<5	56

[a] The values in Table 1 are the IDLH values of the listed gases (the concentration of the gas in the atmosphere which for an exposure time of 30mins is immediately Dangerous to Life or Health) given in the NIOSH Guide [1].
[b] Sulfur Dioxide includes Sulfur trioxide expressed as sulfur dioxide
[c] Nitrogen dioxide includes nitric oxide expressed as nitrogen dioxide

1. The above results from the analysis of the toxic fumes generated from the specimen were found to be below the IDLH Value of listed gases.
2. The weighted summation index, R, is less than 0.3.

Remarks

The weighted summation index R for the sample tested was found to be within the requirement of 1.0 max when tested and assessed according to NF X 70-100 with R calculated in accordance with Annex B of BS 6853:1999.

MS TAN SER LING
TECHNICAL EXECUTIVE

for **DR LI SIHAI**
AVP / SENIOR CHEMIST
MICROCONTAMINATION DIAGNOSIS
CHEMICAL & MATERIALS

TEST REPORT

TEST REPORT: 7191020369-CHM11-JS

Date: 23 NOV 2011 Tel: +65 68851312 Fax: +65 67784301

Client's Ref: Email: yi.zhang@tuv-sud-psb.sg

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, this report is governed by the terms set out within this report.

PSB Singapore

Choose certainty. Add value.

SUBJECT

Evaluation of Product For Singapore Green Labelling Purpose - GLS 035 Spec

CLIENT

KPC Manufacturing (M) Sdn Bhd
37G, Jalan Sungai Long 11/7,
4300 Kajang,
Selangor Darul Ehsan.

Attention: Mr. Zulfairis

SAMPLE SUBMISSION DATE

08 Nov 2011

DESCRIPTION OF SAMPLE

Two samples labeled as follows were received.

Sample 1: "KPC Ceiling & Wall Panel", about 1cm x 1cm sizes.
Sample 2: "KPC Ceiling & Wall Panel", about 50cm x 11cm x 0.4cm.

DATE OF ANALYSIS

08 Nov 2011 – 23 Nov 2011

TÜV SÜD PSB

Laboratory:
TÜV SÜD PSB Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone : +65-6885 1333
Fax : +65-6776 8670
Email: testing@tuv-sud-psb.sg
www.tuv-sudpsb.sg
Co. Reg : 199002667R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Fernkiln, Singapore 118223

METHOD OF TEST

1. **Analysis of Halogenated Solvents and Aromatic Solvents**
   The sample was cut into small pieces and then analyzed by Headspace-Gas Chromatography with Mass Selective Detector (GC-MSD).

2. **Elemental Analysis for Lead (Pb), Mercury (Hg) and Cadmium (Cd)**
   The sample was digested by inorganic acid, followed by analysis using Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES).

3. **Elemental Analysis for Hexavalent Chromium (Cr^{6+})**
   The sample was analysed by UV-Vis Spectrometer using 1,5-Diphenylcarbohydrazide as derivatizing agent.

4. **Formaldehyde Emission Test**
   The samples was tested according to ENV 717-1:2004 – *Wood-based panels - Determination of formaldehyde release – Part 1: Formaldehyde emission by the chamber method*

   Emission Test Condition

   1. Chamber Volume : about 1 m^3
   2. Temperature : 23±0.5°C
   3. Relative Humidity : 45± 3% RH
   4. Air Exchange Rate : n=1 (air exchange rate per hour in the chamber).
   5. Chamber Loading Ratio : 1.0±0.02 m^2/m^3 (total exposed surface area of the test speciment divided by the net air volume of the emission test chamber).
   6. Air Velocity : 0.1 m/s to 0.3 m/s (over the surface of the test speciment).

RESULTS

Table 1. Analytical Results for "WPC Modwood Decking, R/No: 52851697C" Sample

Test item	Test Result	Method Detection Limit	GLS035 Criteria	Inferred Remark
Mercury	Not Detected	5 ppm,w/w	Not Detected	Pass
Lead	Not Detected	5 ppm,w/w	Not Detected	Pass
Cadmium	Not Detected	5 ppm, w/w	Not Detected	Pass
Chromium	Not Detected	5 ppm, w/w	Not Detected	Pass
Halogenated Solvents	Not Detected	250 ppm,w/w	Not Detected	Pass
Aromatic Solvents	Not Detected	250 ppm,w/w	Not Detected	Pass
Formaldehyde Release	<0.5 mg/L	0.1 mg/L	<0.5 mg/L	Pass

JULINE SIM
TECHNICAL EXECUTIVE

DR ZHANG YI
PRODUCT MANAGER
MICROCONTAMINATION DIAGNOSIS
CHEMICAL & MATERIALS

Please note that this Report is issued under the following terms :

1. This report applies to the sample of the specific product/equipment given at the time of its testing/calibration. The results are not used to indicate or imply that they are applicable to other similar items. In addition, such results must not be used to indicate or imply that TÜV SÜD PSB approves, recommends or endorses the manufacturer, supplier or user of such product/equipment, or that TÜV SÜD PSB in any way "guarantees" the later performance of the product/equipment. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product/equipment.

2. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client. TÜV SÜD PSB therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture, consignment or any information supplied.

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4. This report shall not be reproduced wholly or in parts and no reference shall be made by the Client to TÜV SÜD PSB or to the report or results furnished by TÜV SÜD PSB in any advertisements or sales promotion.

5. Unless otherwise stated, the tests were carried out in TÜV SÜD PSB Pte Ltd, No.1 Science Park Drive Singapore 118221.

July 2011

DVYHVM

SEASON DECK

Double Sided
DS 3413

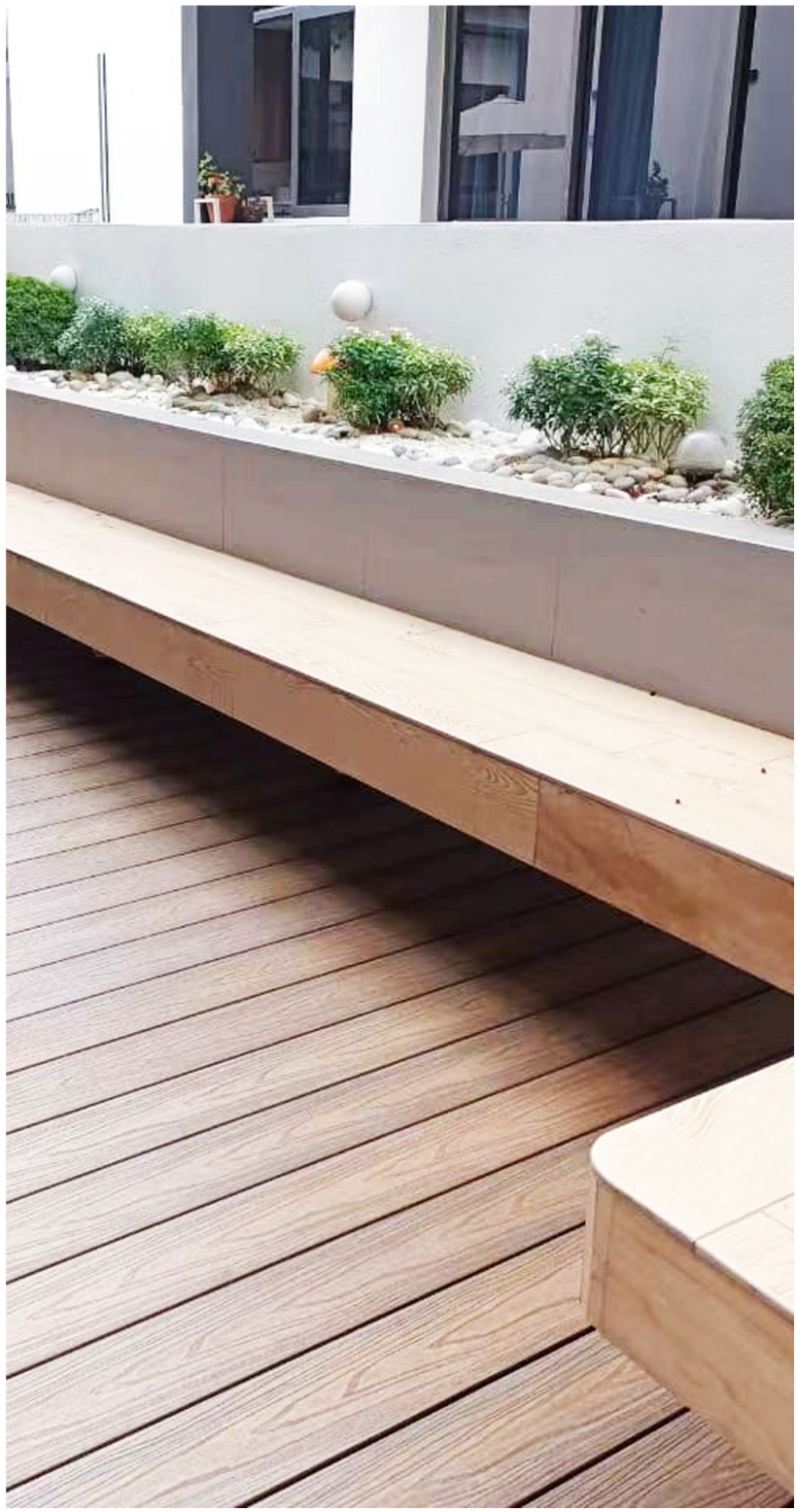
143mm x 22.5mm x 2800mm

Coffee

Grey

Golden Teak

Ebony



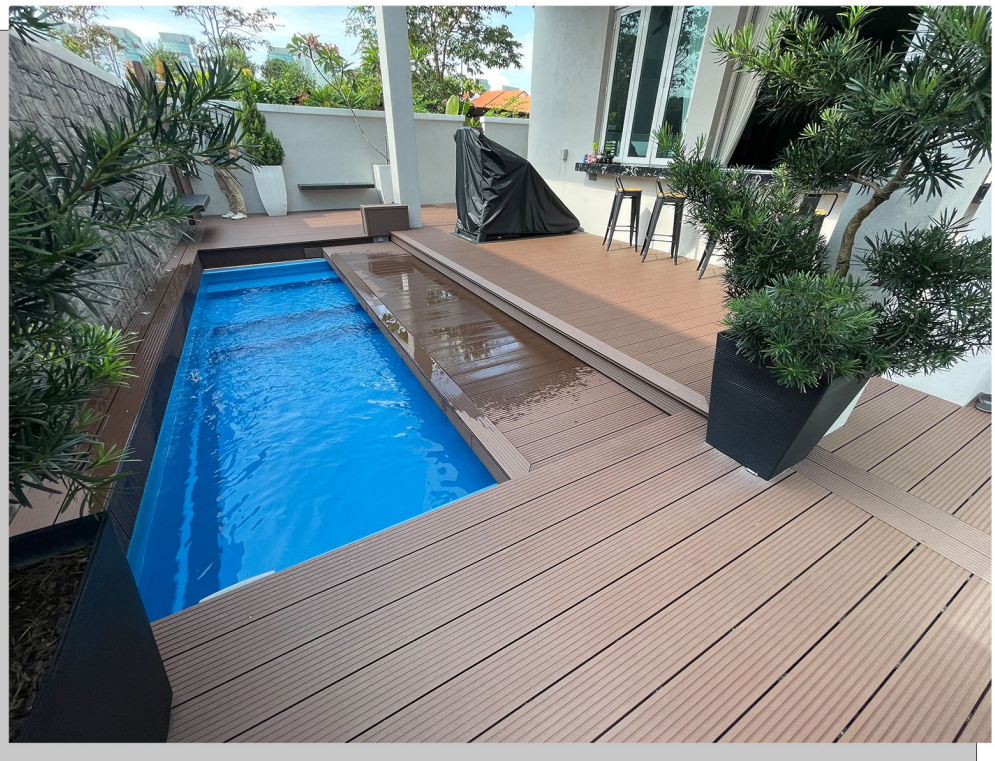
High Strength
Flame-Retardant
Anti Corrosion
Anti Crack
Anti Color Fading
Non Toxic
No Wood Burn
Insertbite-Proof

COMPOSITE DECK

Double Sided
DS 3218

140mm x 25mm x 2800mm

- High Strength
- Flame-Retardant
- Anti Corrosion
- Anti Crack
- Anti Color Fading
- Non Toxic
- No Wood Burn
- Insertbite-Proof



115mm x 12mm x 2800mm

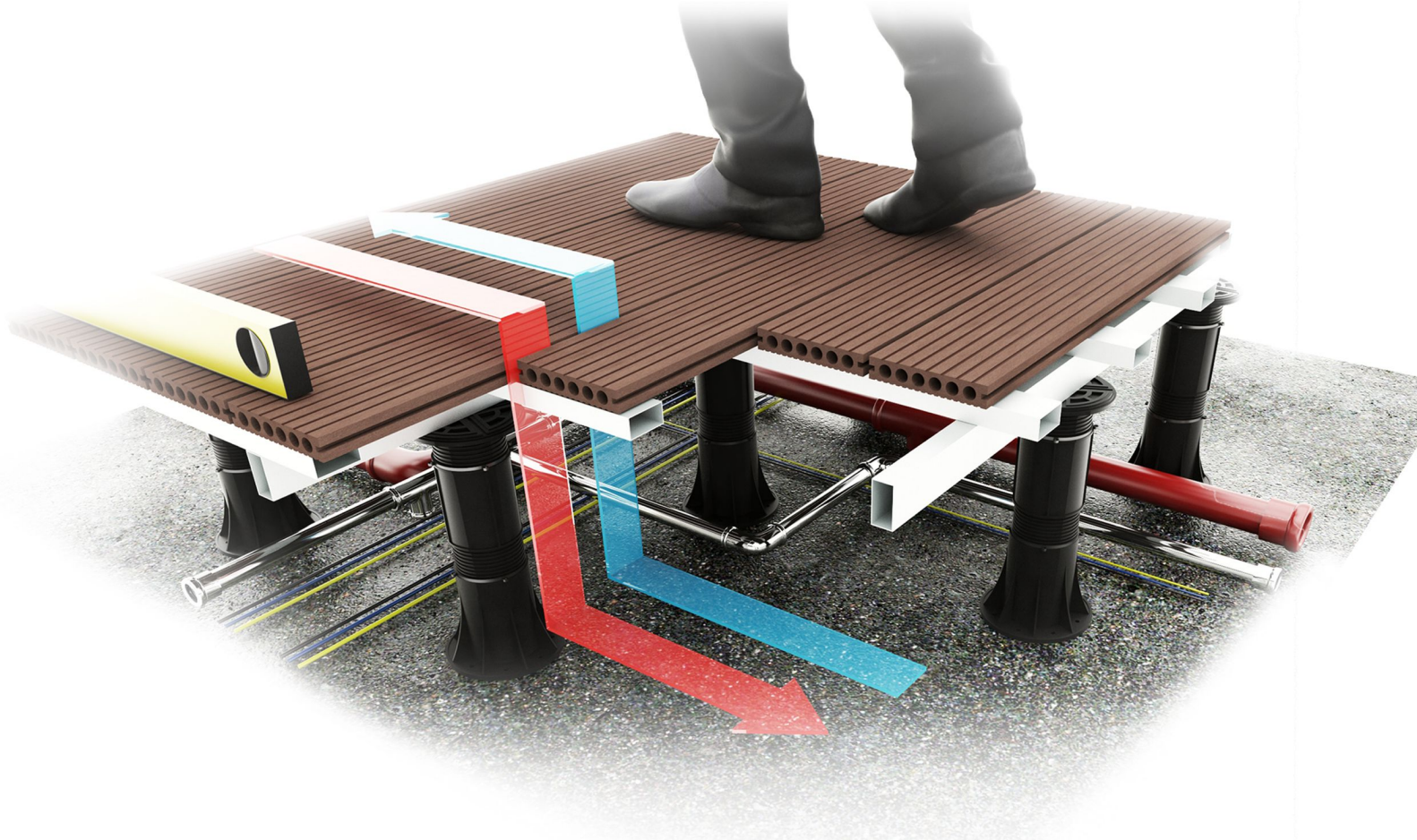
COMPOSITE PANEL

Single Sided
DS11512W004

Chocolate

Mix Yellow

- High Strength
- Flame-Retardant
- Anti Corrosion
- Anti Crack
- Anti Color Fading
- Non Toxic
- No Wood Burn
- Insertbite-Proof



PEDESTAL

Pedestal is a heavy duty height and slope adjustable pedestal designed for floor, deck, paver and bearer support. It used in the construction of pedestrian walkways, roof gardens, sun decks, balconies, podium landscape and verandas.

The height are adjustable from 50mm to 1000mm, with use of proprietary EXTENDERS. It can reduce sound transmission, increase heat insulation and allows unsightly services to be concealed within the cavity under the elevated platform allowing easy access when required.

DVYHVM

DECKING INSTALLATION DETAILS

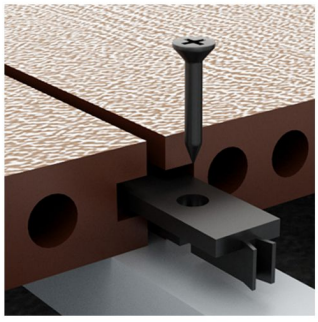
1 DVYHVM Decking

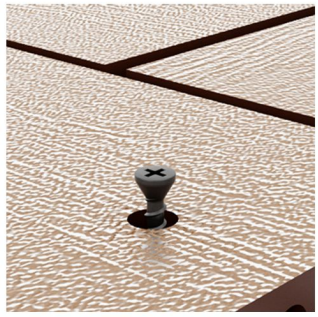
2 Secondary Structure
25mm x 25mm Aluminum Hollow Section

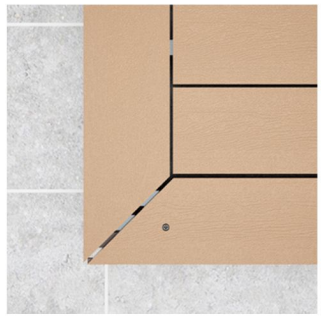
3 Primary Structure
25mm x 25mm Aluminum Hollow Section

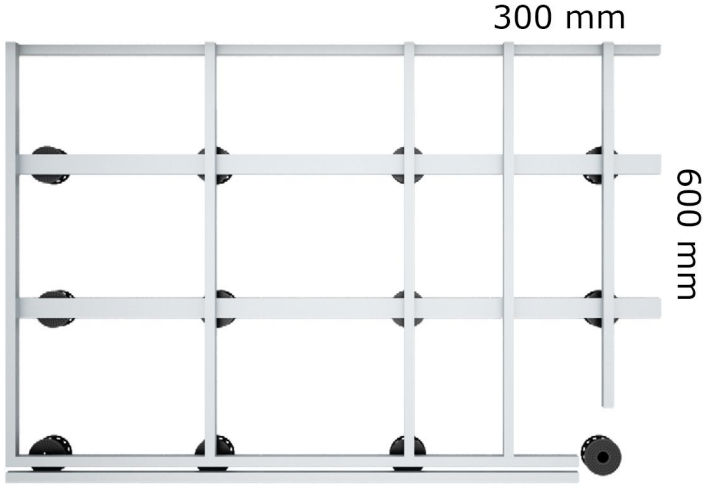
4 Pedestal

5 Fascia Deck





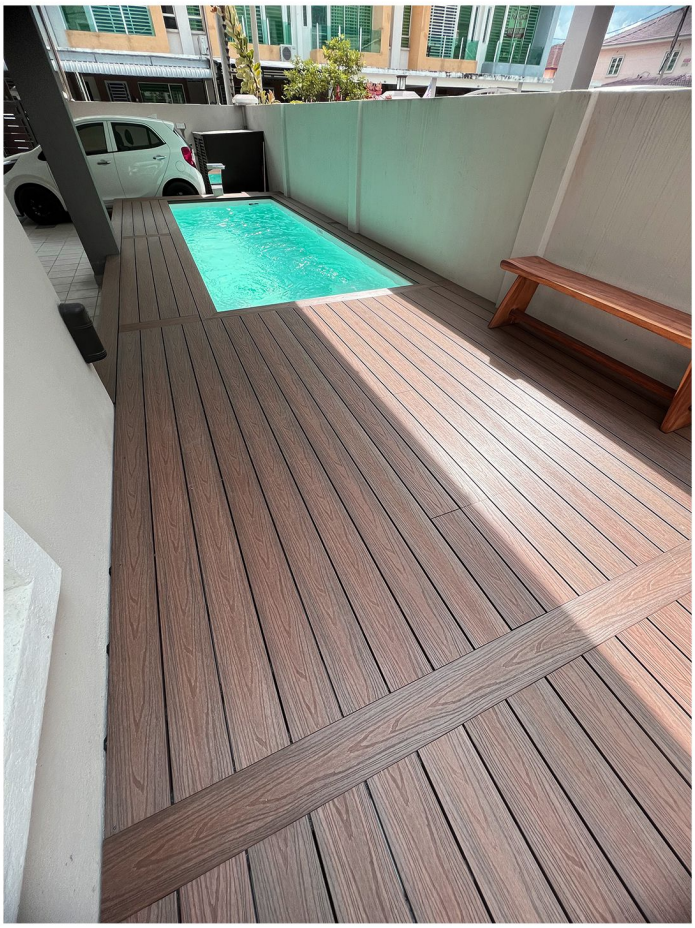


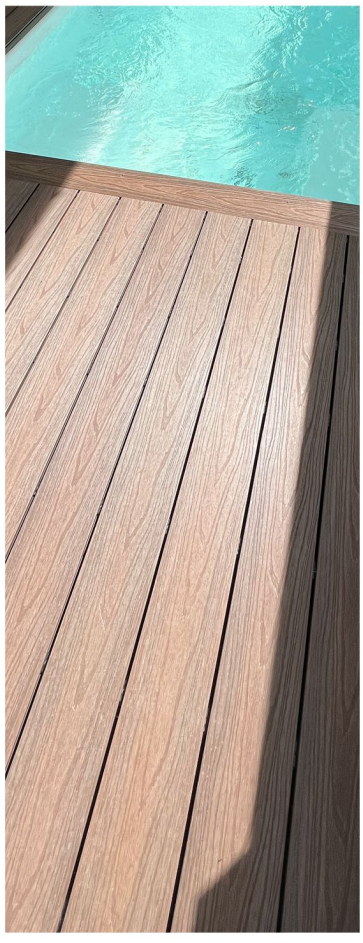


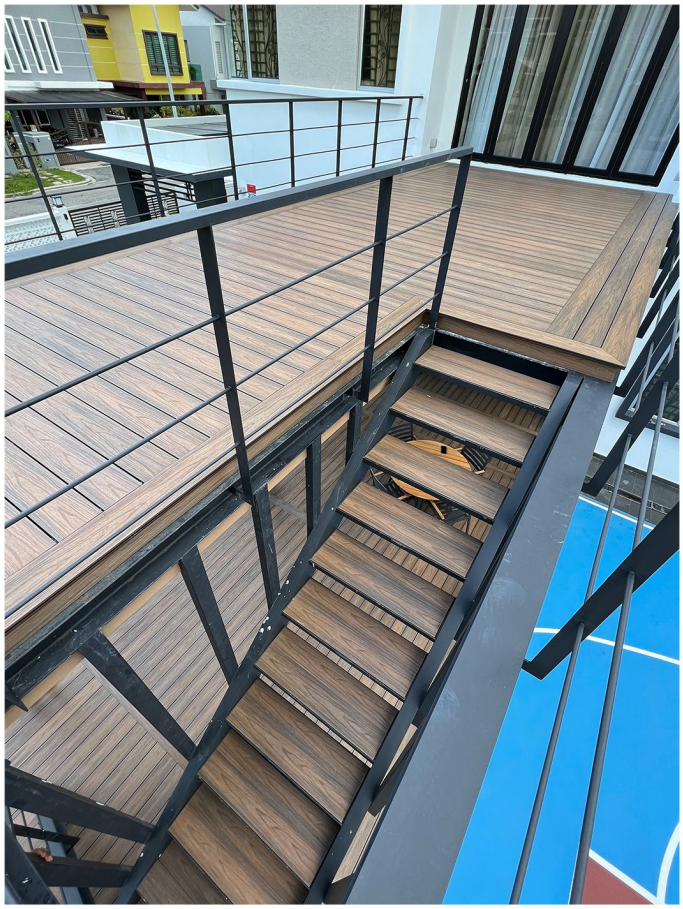
STEP 1 : Install pedestal with heavy duty adhesive on to the floor. STEP 2 : Install primary strcuture with 25mm x 25mm Aluminum Hollow Section. STEP 3: Install secondary structure with 25mm x 25mm Aluminum Hollow Section. STEP 4: Install DVYHVM Decking according design pattern.

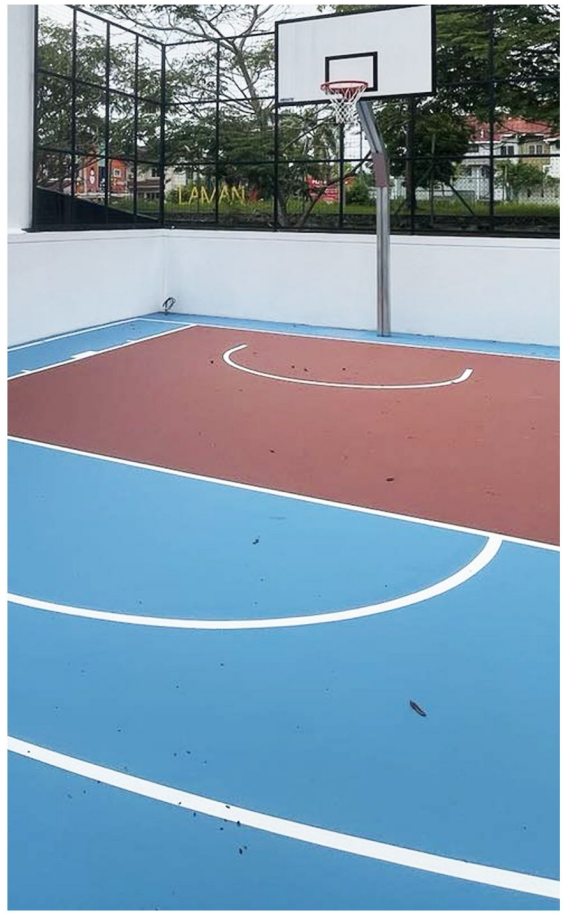
DVYHVM

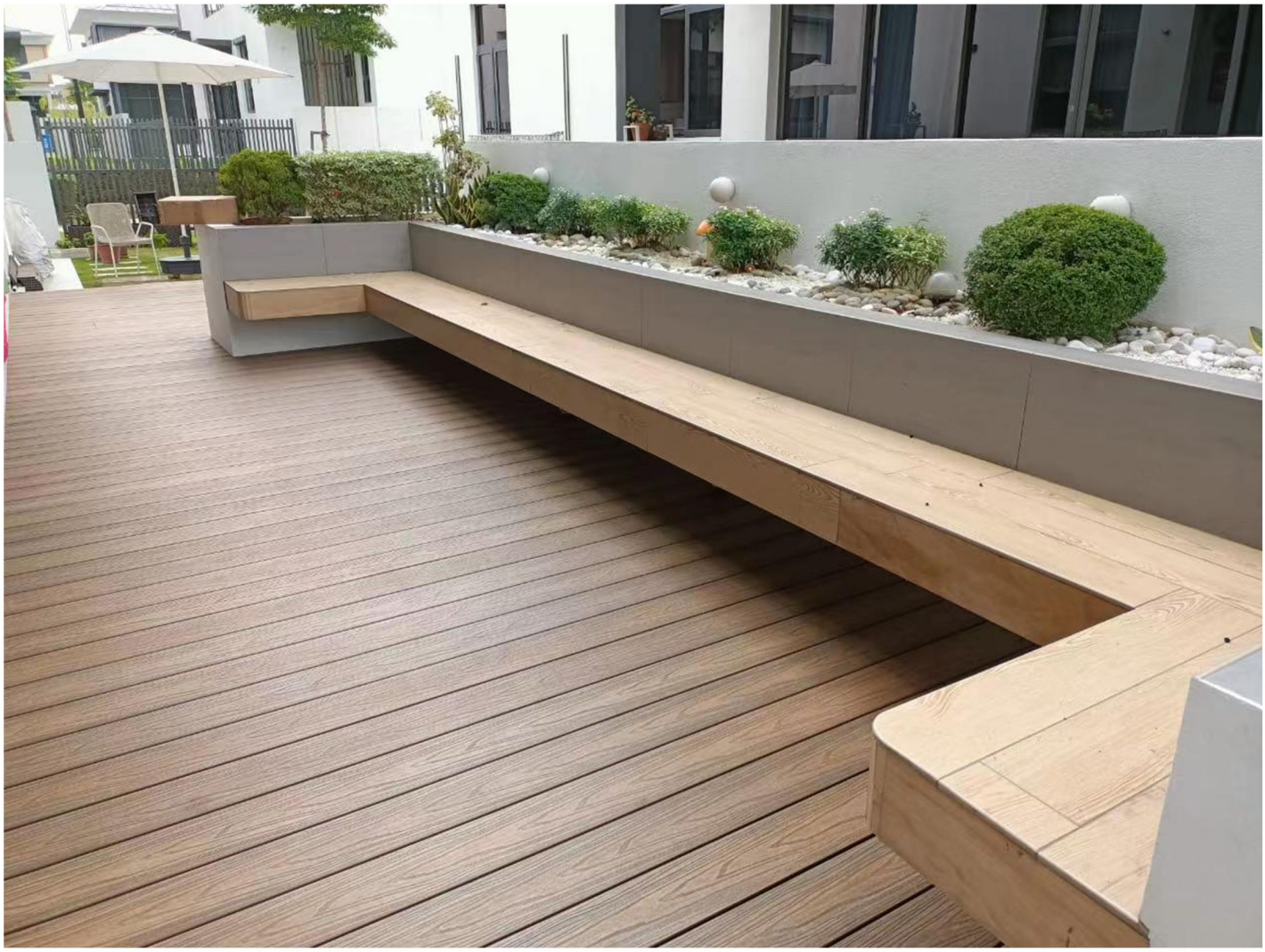
PORTFOLIO

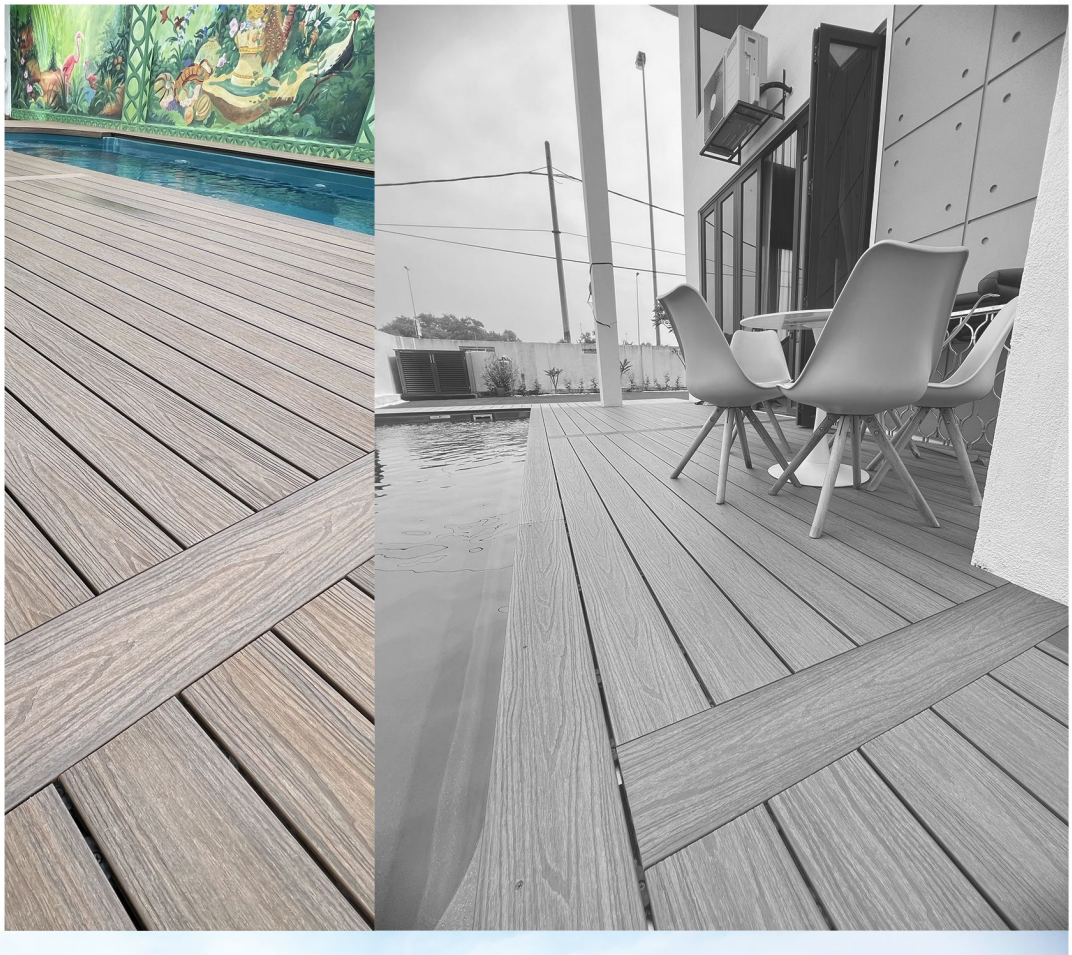


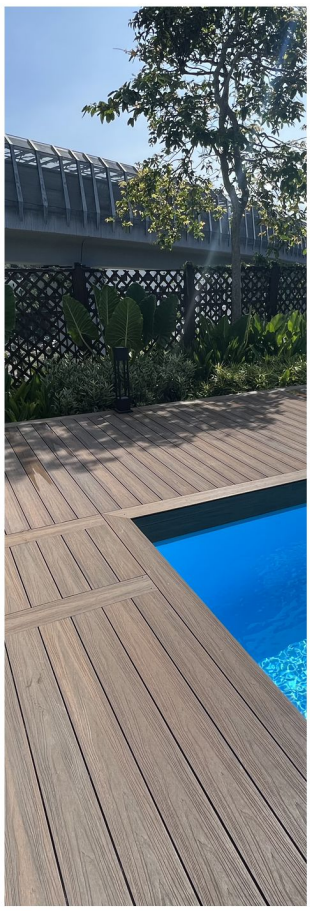


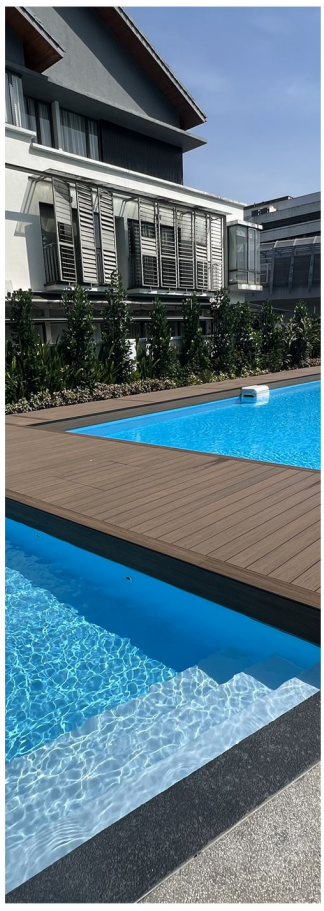


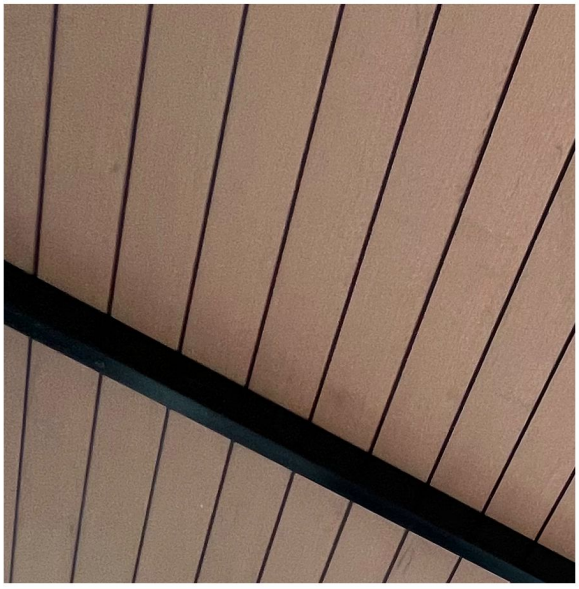

LAWAN

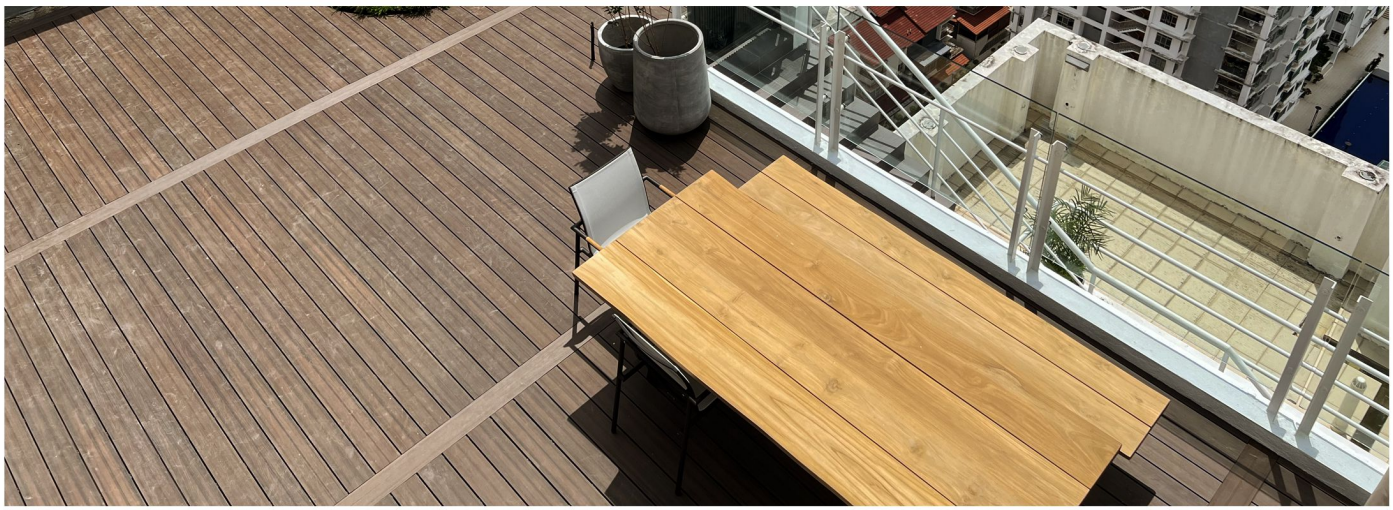


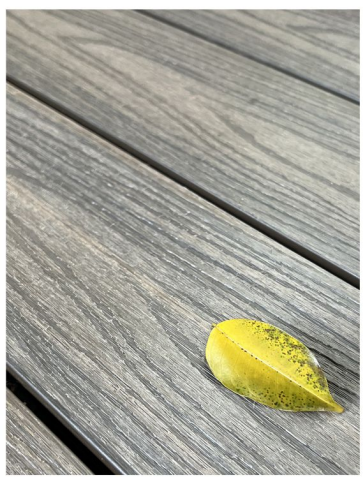




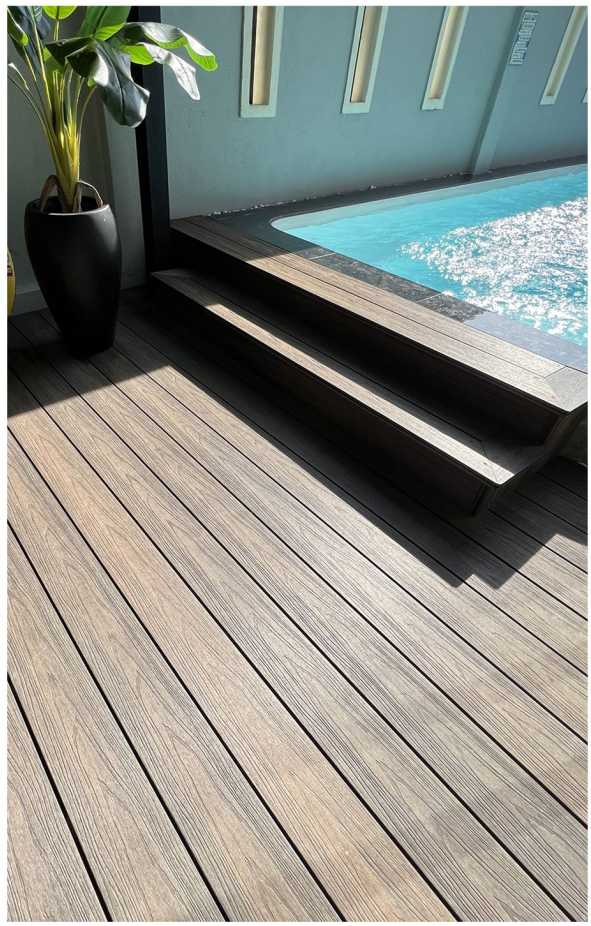


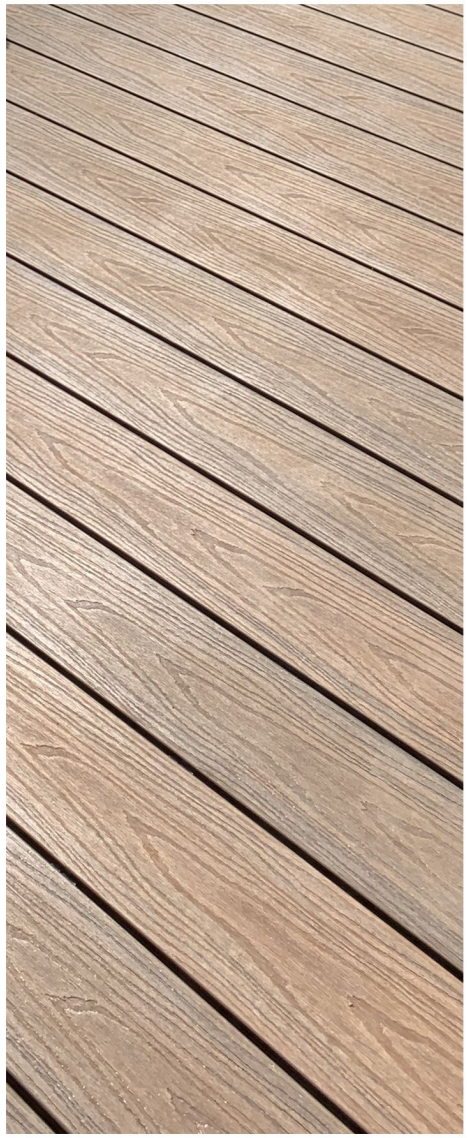


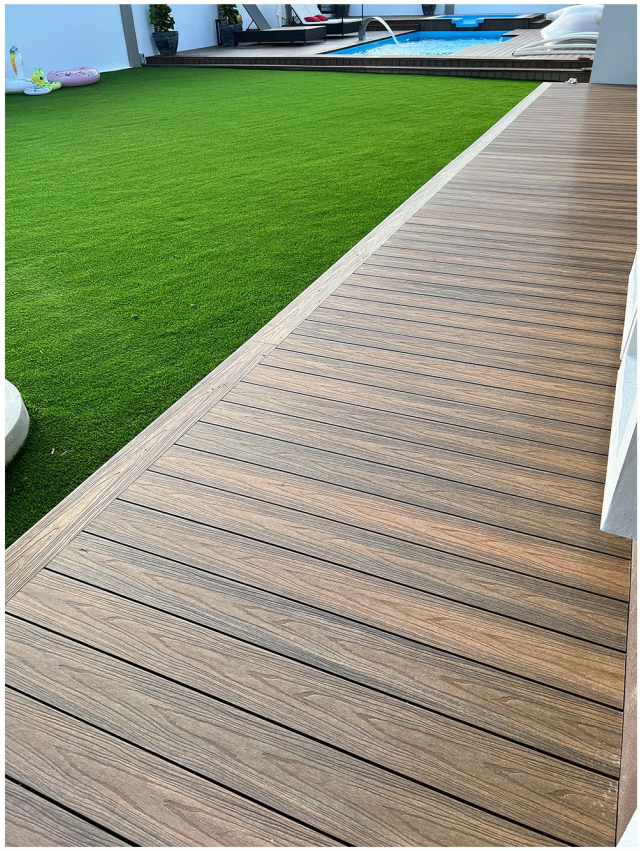


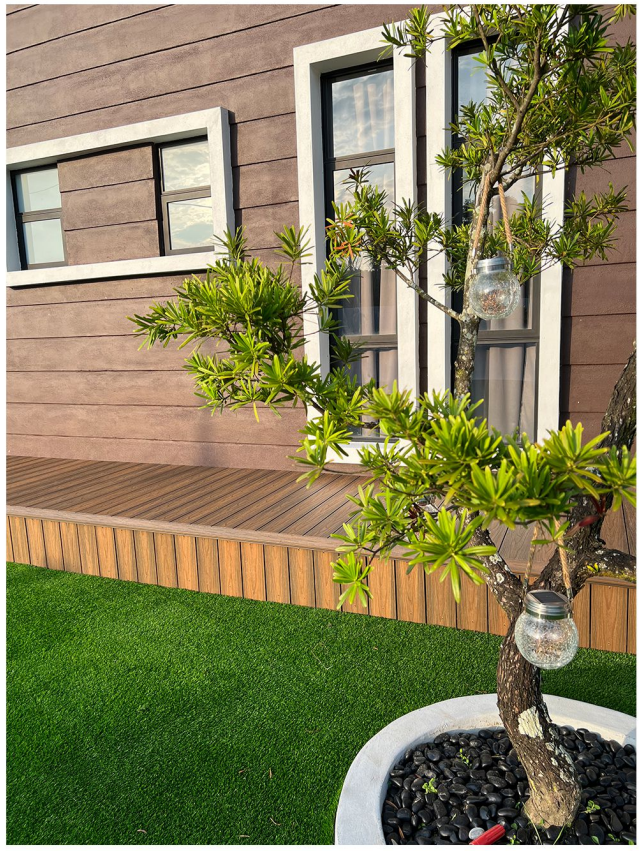


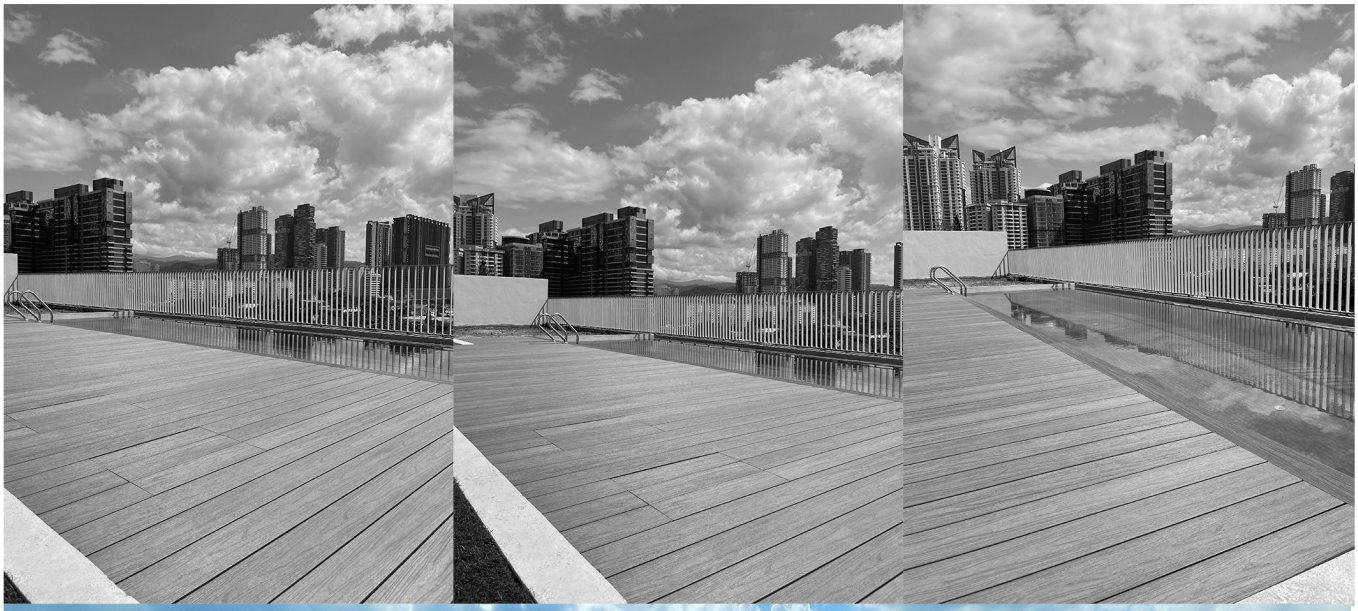

PAULANER
Heineken

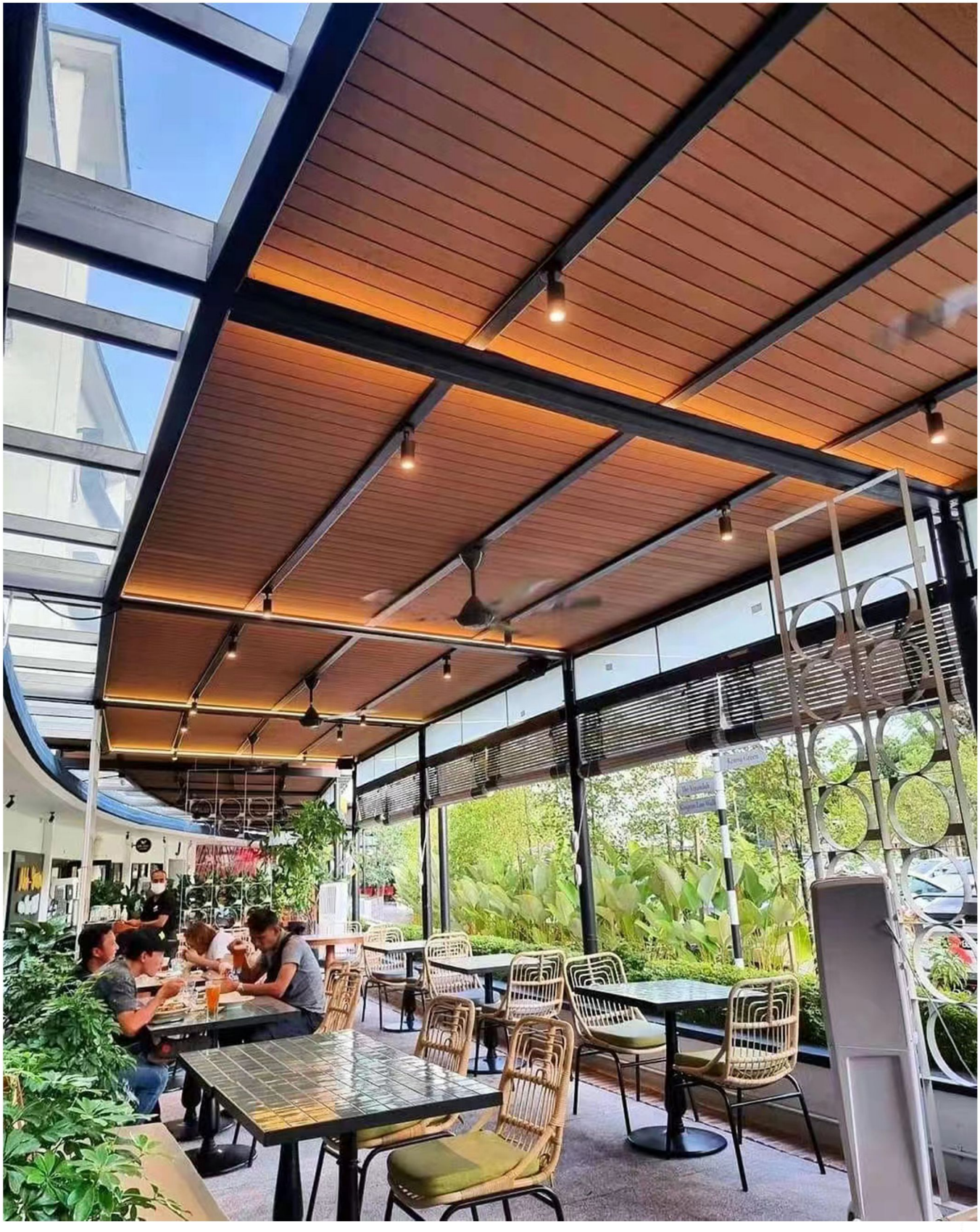










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