SUNWAY
COMMITTED TO
SUSTAINABLE DEVELOPMENT GOALS

SUNWAY
PAVING SOLUTIONS

6 CLEAN WATER AND SANITATION
7 AFFORDABLE AND CLEAN ENERGY
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
11 SUSTAINABLE CITIES AND COMMUNITIES
12 RESPONSIBLE CONSUMPTION AND PRODUCTION

INTERLOCKING CONCRETE PAVERS

Lifestyle Sustainable Development
Eco-friendly Pavement Solutions Provider

Innovation Our DNA









SUPPLIED & INSTALLED BY

PEMBINAAN SERI HANDALAN
ENTERPRISE SDN BHD

019-750 1151 | serihandalan.com

INTRODUCTION

Sunway Paving Solutions Sdn Bhd is a wholly owned subsidiary of Sunway Berhad. As a leading company in the manufacturing of innovative interlocking concrete pavers (ICP) and compressed concrete paving slab (E-WALK).

As part of Sunway Group, we work towards realising the Group's vision of becoming Asia's model corporation in Sustainable Development and remain committed to the United Nations Sustainable Development Goals. We minimise environmental pollution by maximising the usage of recycled material in our products and helps to conserve natural resources. In addition, the High Solar Reflectance Index of our products in light colours cools the environment.

ICP and E-WALK are highly durable pavement material and require minimal maintenance. It is certainly the most economical choice to enhance the landscape aesthetically.

At Sunway, we reassure the health & wellbeing of people and we take road safety seriously. All our products are manufactured in accordance with **skid resistance index score of above 65**. With excellent grip and traction on pathways, we can ensure the safety of users at all times regardless of the weather.

Sunway Paving Solutions Sdn. Bhd. is not just any ordinary paving solutions company, we pave towards a greener and safer nation underscored by our core values of integrity, humility and excellence.

VISION

The industry's preferred brand of sustainable and innovative products and services

MISSION

- Provide excellent product integrity and service to our customers
- Continuously innovate and embrace sustainability in our practices and processes
- Develop and empower a highly-engaged workforce for the digital era
- Deliver enhanced value to all stateholders

Benefits of SUNWAY INTERLOCKING CONCRETE PAVERS

Algae Resistance

Able to reduce the formation of algae on the pavers' surface

Absolute Durability

Minimal maintenance, hard wearing surface & high skid resistance

Aesthetic & Versatile Colour Coding Possibilities

Variety of colours leads to interesting designs

High Solar Reflectance

Light-coloured pavers absorb less heat, results in cooler surface and reduces heat island effect (SRI ≥ 29)

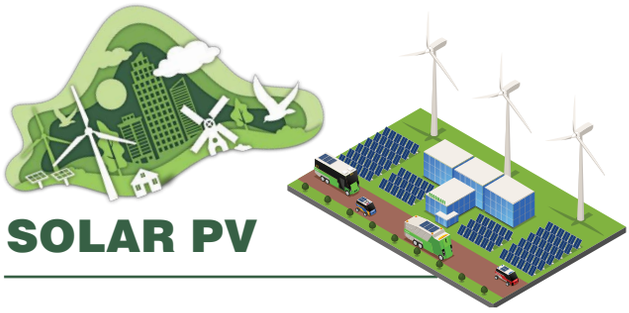
Green Product

Made from recycled materials, can be reused and recycled

Ease of Laying & Immediate Use

Inaccessible areas with slopes and gradients can be paved easily without using heavy equipment. Can be opened to traffic immediately upon completion

NET ZERO CARBON EMISSION BY 2025



SOLAR PV

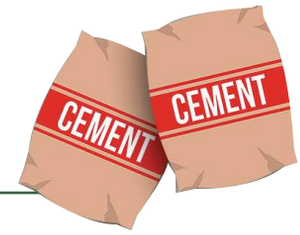
Generated **2,319 MWh** of renewable energy from Solar PV since 2022

CO_2 = **1,795 tonnes CO_2e**

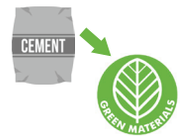
Powering up **330 homes** for one year

Carbon sequestrated by more than **85,470 trees** in a year

Note: One tree absorbs approximately 21 kg of CO2e
Source: https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator



CEMENT



Replaced with lower carbon emission material about **55,964 tonnes since 2022**

CO_2 = **48,371 tonnes CO_2e**

Carbon sequestrated by about **2.3 million trees** in a year.

Diverted about **55,964** tonnes of waste from being disposed of at the landfill.

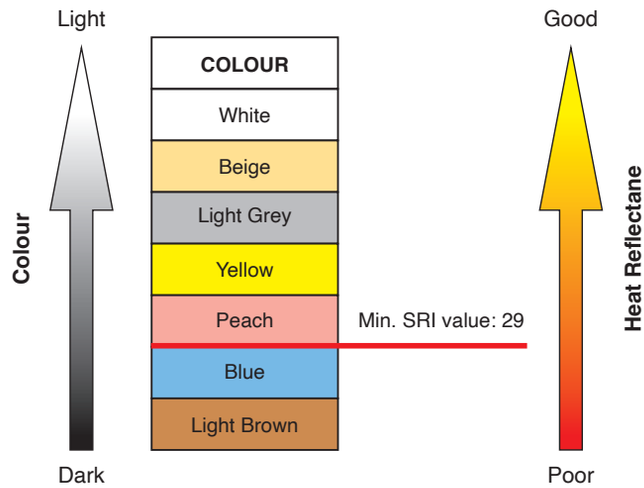
Note: One tree absorbs approximately 21 kg of CO2e
Source: https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator

SOLAR REFLECTANCE INDEX (SRI)

Solar Reflectance Index (SRI) is a measure of a surface's ability to reflect solar heat. It combines two key factors: solar reflectance (the ability to reflect sunlight) and thermal emittance (the ability to emit absorbed heat). SRI values range from 0 to 100, where higher values indicate cooler surfaces that absorb less heat. The SRI is calculated using both of these properties, with a higher SRI value indicating a surface that remains cooler in the sun. This is especially important for materials used in building construction, such as roofing and pavement, as it affects the urban heat island effect and energy consumption for cooling buildings.

Benefits of SRI

- **Energy Efficiency:** Surfaces with high SRI can reduce the need for excessive cooling such as air conditioning in buildings, which leads to energy savings.
- **Comfort:** High SRI surfaces lowers surface temperatures, providing cooler, and improving comfort in urban environments.
- **Durability:** Cooler surfaces can lead to longer material life by reducing thermal properties.
- **Environmental Impact:** Using materials with high SRI can help in reducing the urban heat island effect, which contributes to cooler cities and reducing carbon footprints.





CLASSIC



Anchorlok

Size : 223mm x 111mm
Area Coverage : 26.3 pieces/m²
Thickness : 80mm
Approx Weight : 6.35kg



Desert Fern

Size : 210mm x 136mm
Area Coverage : 35 pieces/m²
Thickness : 60 / Z60 / 80mm
Approx Weight : 3.65 / 4.70kg



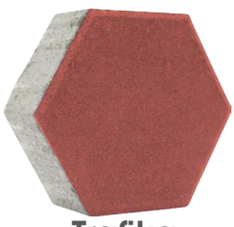
Desert Lily

Size : 210mm x 220mm
Area Coverage : 39 pieces/m²
Thickness : 60 / Z60 / 80mm
Approx Weight : 3.05 / 4.10kg



Flexipave

Size : 198mm x 98mm
Area Coverage : 49.5 pieces/m²
Thickness : 60 / Z60 / 80 / 100mm
Approx Weight : 2.45 / 3.40 / 4.35kg



Trafika

Size : 225mm x 197mm
Area Coverage : 29 pieces/m²
Thickness : 80 / 100mm
Approx Weight : 5.80 / 7.25kg



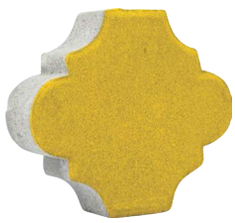
Twinpave

Size : 209mm x 104mm
Area Coverage : 44.1 pieces/m²
Thickness : 60 / Z60 mm
Approx Weight : 2.45kg



Uni Decor

Size : 228mm x 138mm
Area Coverage : 37.8 pieces/m²
Thickness : 60 / Z60mm
Approx Weight : 3.35kg



Uni Espave

Size : 220mm x 190mm
Area Coverage : 34.7 pieces/m²
Thickness : 60 / Z60mm
Approx Weight : 3.50kg



Unipave

Size : 223mm x 111mm
Area Coverage : 39.5 pieces/m²
Thickness : 60 / Z60 / 80 / 100mm
Approx Weight : 3.10 / 4.20 / 5.45kg

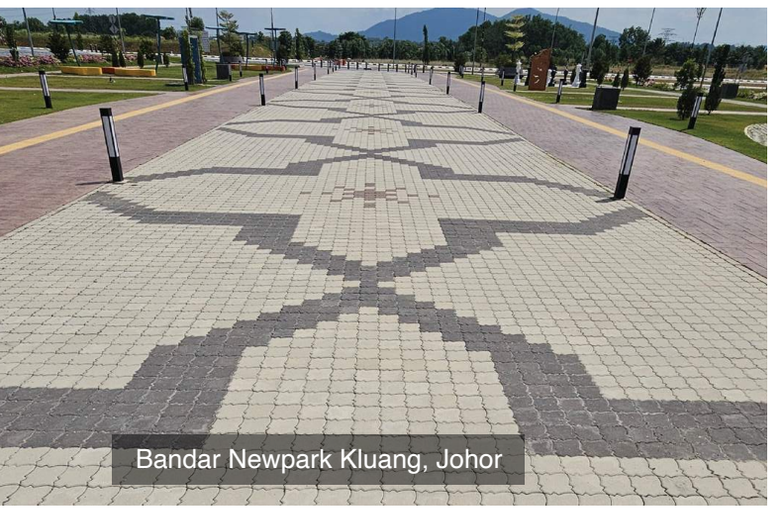


Unipave Half

Size : 111mm x 111mm
Area Coverage : 83.3 pieces/m²
Thickness : 80mm
Approx Weight : 2.15kg

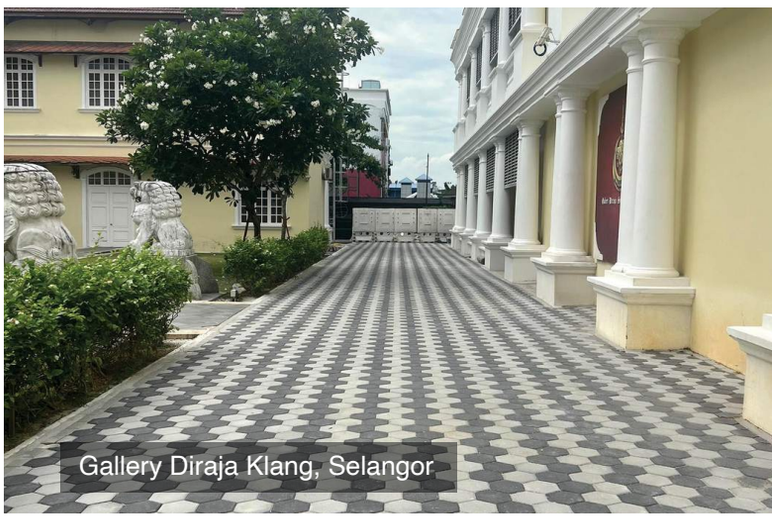


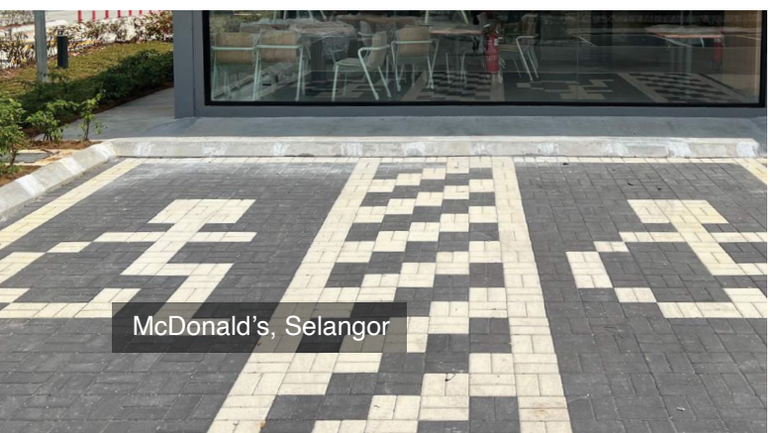
Serambi Teruntum, Pahang

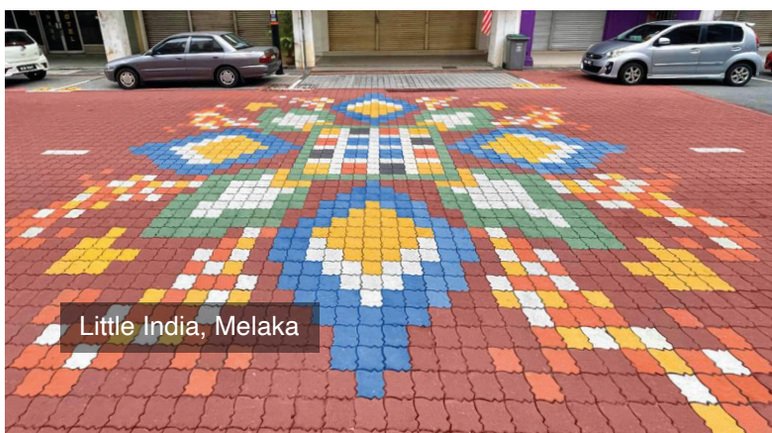

Bandar Newpark Kluang, Johor


Sunway Medical Centre Ipoh, Perak


Dataran Perbandaran Pekan, Pahang


Gallery Diraja Klang, Selangor


McDonald's, Selangor


Little India, Melaka

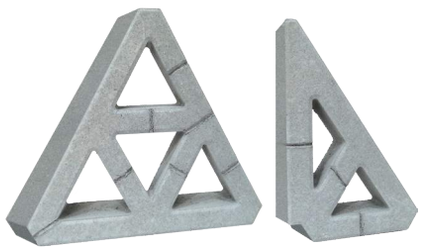
GRASSPAVE

FIRE TRUCK ACCESS



HexaGrass

Size : 179mm x 168mm
Area Coverage : 45 pieces/m²
Thickness : 80mm
Approx Weight : 3.75kg



Eco Arch Grasspave

Size : 495mm x 429mm (Full)
248mm x 429mm (Half)
Area Coverage : 6 pieces (Full) +
4 pieces (Half) /m²
Thickness : 80mm
Approx Weight : 15.5kg (Full) / 8.8kg (Half)

FIRE TRUCK ACCESS



Prime Grasspave

Size : 200mm x 200mm
Area Coverage : 25 pieces/m²
Thickness : 80mm
Approx Weight : 5.24kg



Uni-grasspave

Size : 336mm x 223mm
Area Coverage : 13.2 pieces/m²
Thickness : 80mm
Approx Weight : 8.80kg



Desert Lily Grasspave

Size : 313mm x 313mm
Area Coverage : 10 pieces/m²
Thickness : 80mm
Approx Weight : 12.00kg



Super Uni-grasspave

Size : 453mm x 453mm
Area Coverage : 4.83 pieces/m²
Thickness : 100mm
Approx Weight : 29.00kg



KT Grasspave

Size : 346mm x 346mm
Area Coverage : 9 pieces/m²
Thickness : 80mm
Approx Weight : 12.87kg



Taman Keat Hwa, Kedah

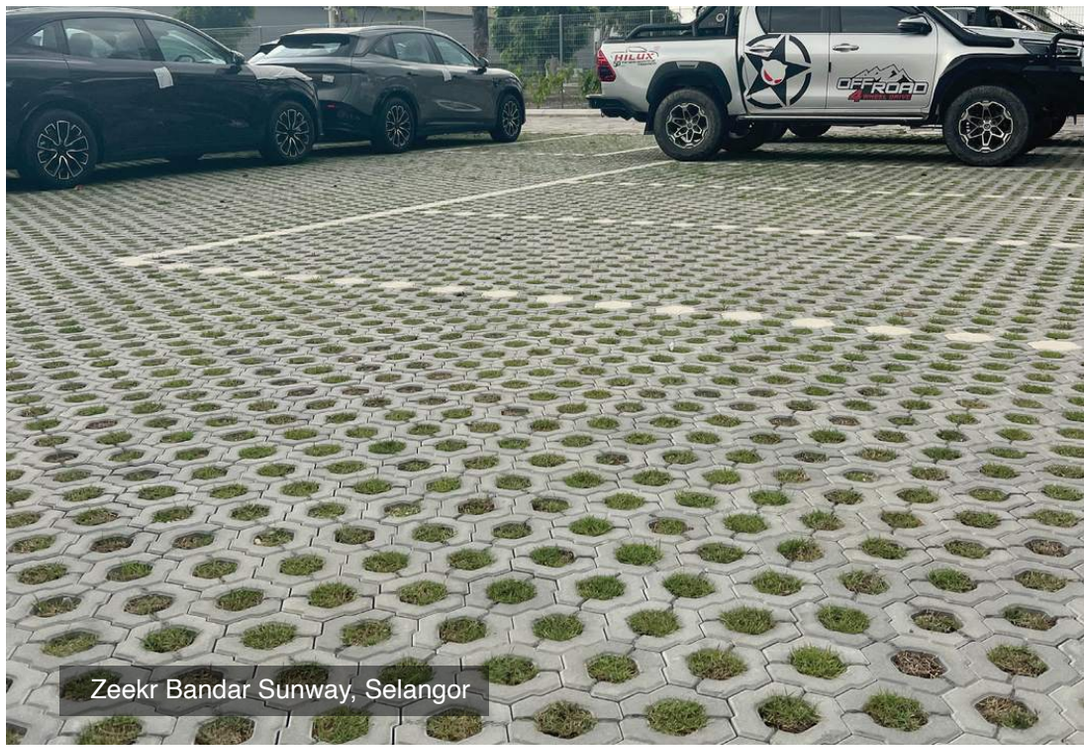


Pengkalan Gawi, Terengganu





Origami Park, Selangor



Zeekr Bandar Sunway, Selangor





Sunway City Iskandar Puteri, Johor



Alira Subang Jaya, Selangor

HEXALOCK



New!

Hexalock

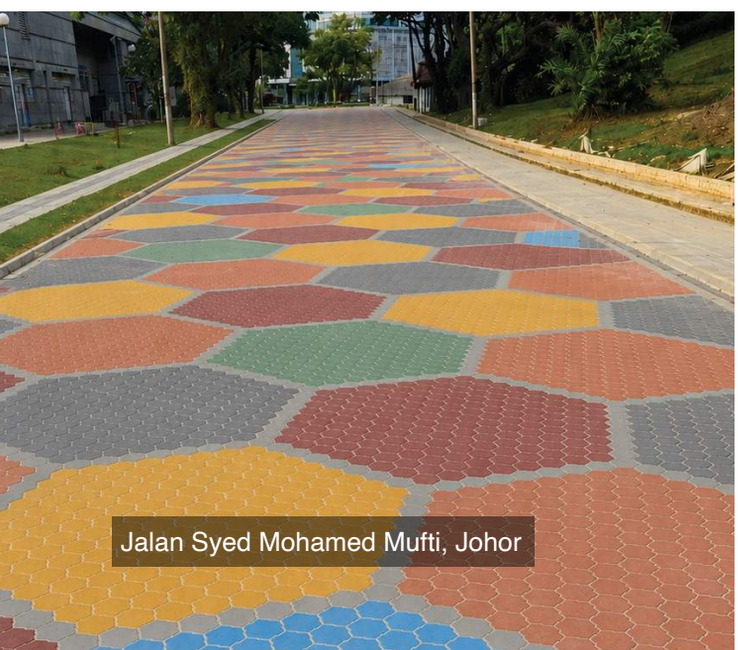
Size	: 179mm x 168mm
Area Coverage	: 45 pieces/m^2
Thickness	: 80mm / 100mm
Approx Weight	: 3.75kg / 4.7kg



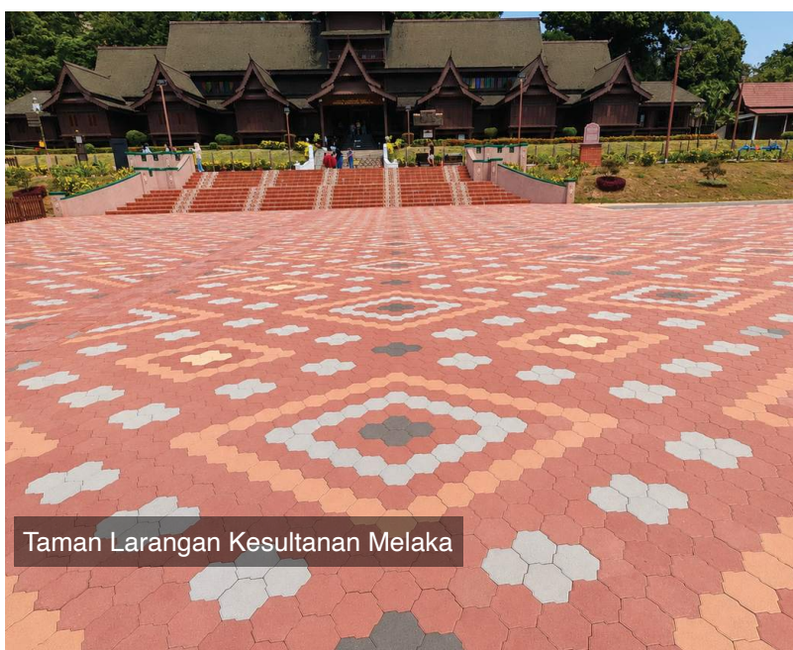
Sunway City Ipoh, Perak



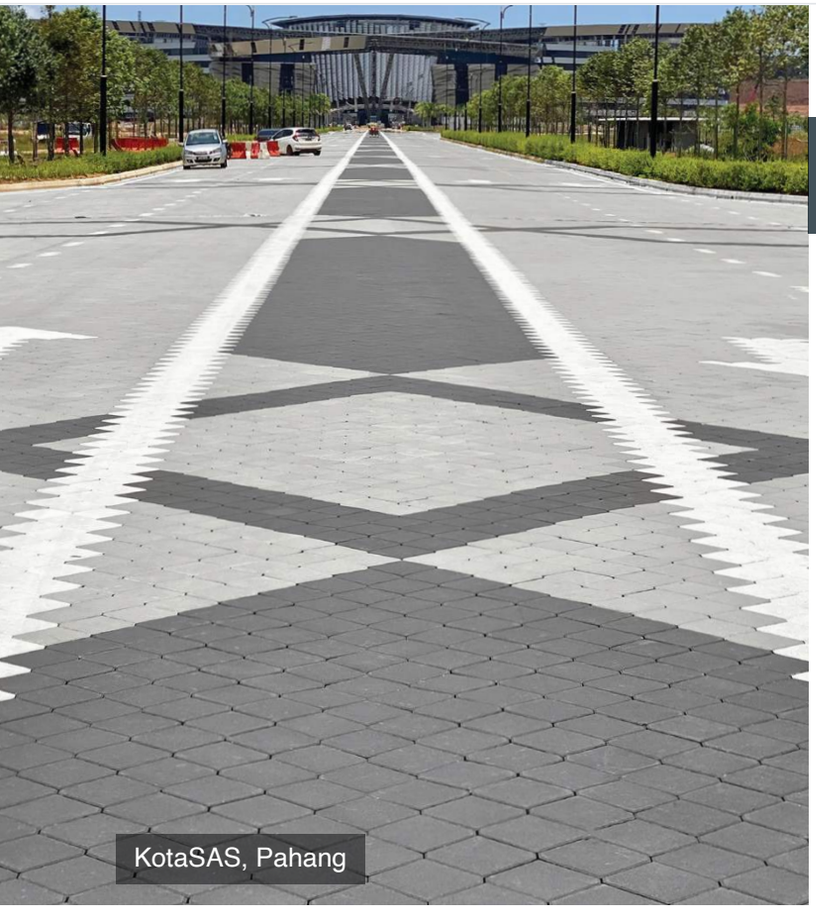
Eco Majestic, Selangor



Jalan Syed Mohamed Mufti, Johor



Taman Larangan Kesultanan Melaka



KotaSAS, Pahang

GEOPAVE

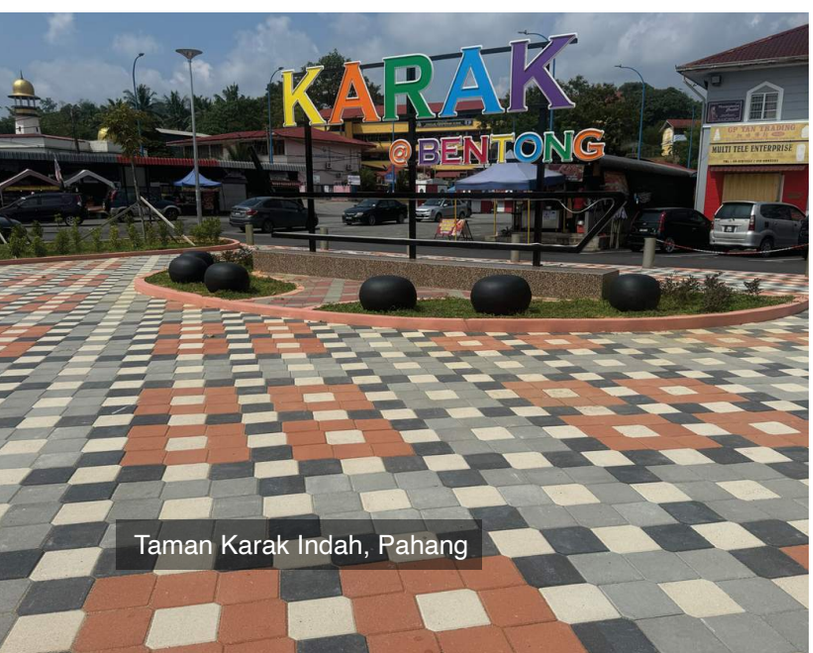


Geopave

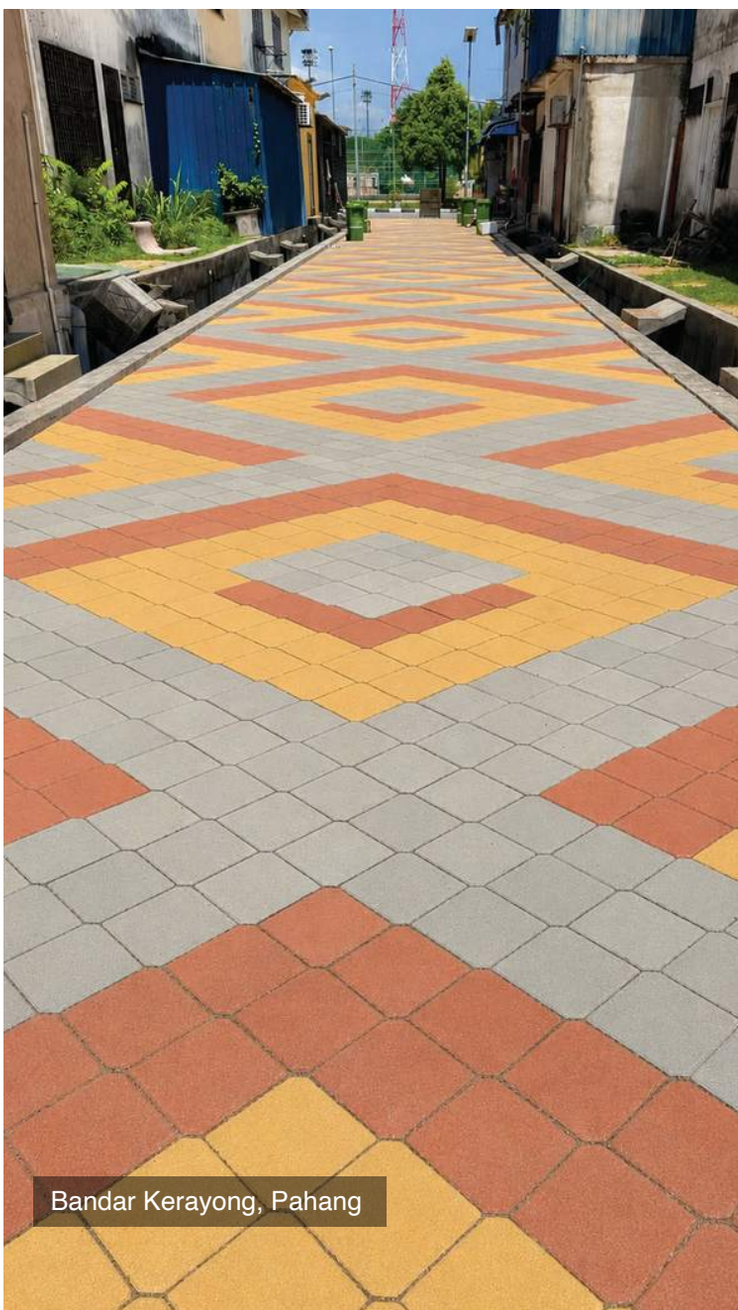
Size : 200mm x 200mm
Area Coverage : 25 pieces/m²
Thickness : 60 / Z60 / 80mm
Approx Weight : 4.90 / 6.50kg



Serenia City Central Park, Selangor



Taman Karak Indah, Pahang



Bandar Kerayong, Pahang



TNB Gold Bangsar, Kuala Lumpur

ARROWPAVE



New!

Arrowpave

Size : 240.5mm x 138mm
Area Coverage : 30.1 pieces/m²
Thickness : 80mm
Approx Weight : 5.6kg

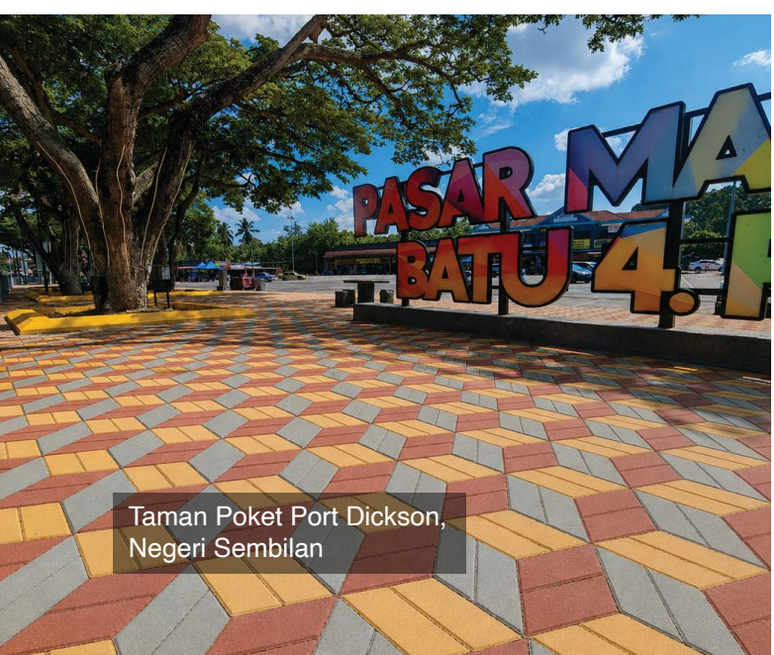
EZY-PAVE



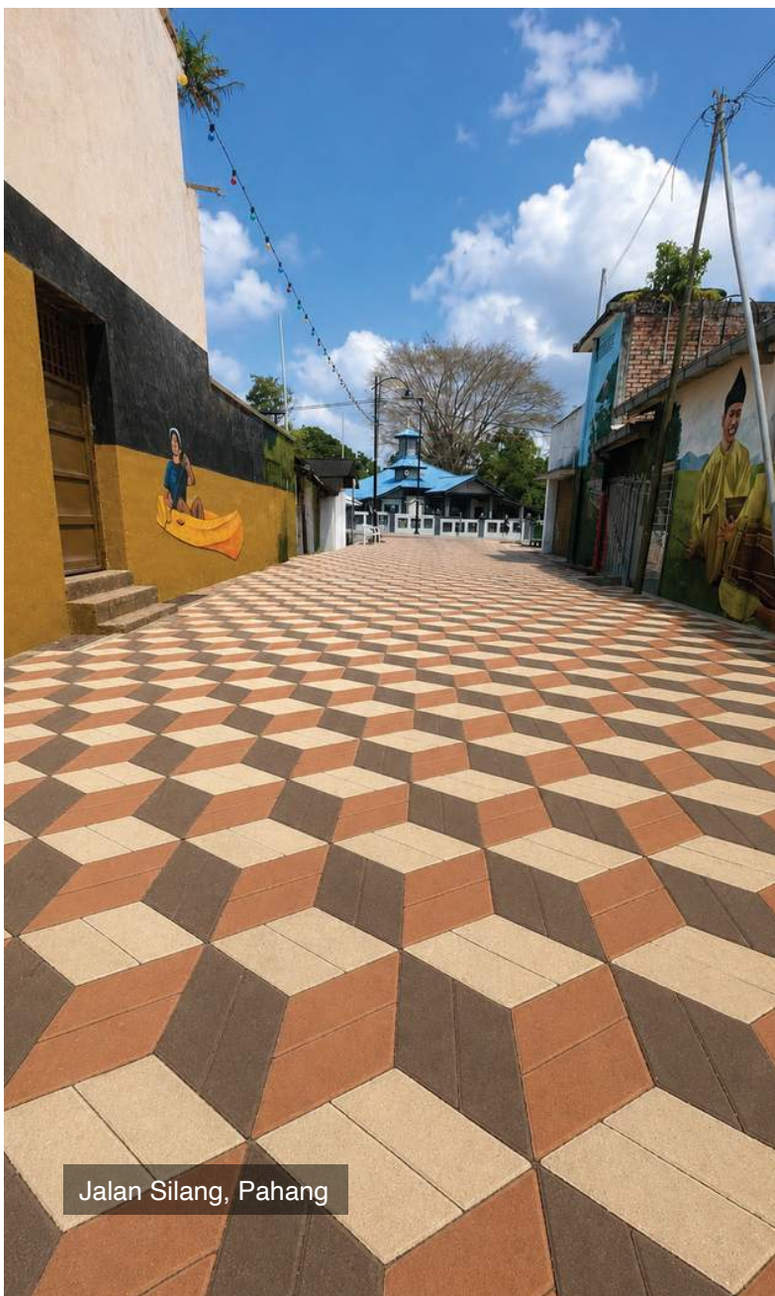
New!

Ezy-Pave

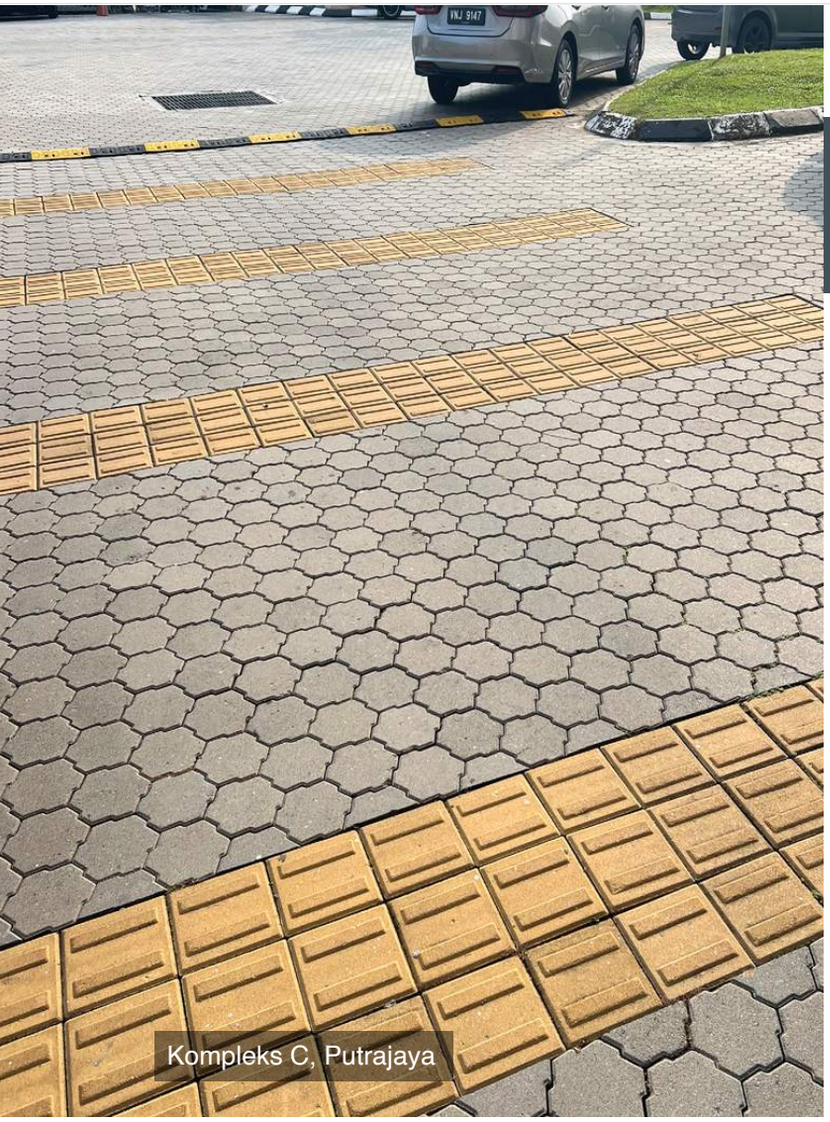
Size : 275mm x 120mm
Area Coverage : 30.3 pieces/m²
Thickness : 80mm
Approx Weight : 5.7kg



Taman Poket Port Dickson,
Negeri Sembilan



Jalan Silang, Pahang



SR PAVE
(SPEED REDUCER PAVERS)



SR Pave New!

Size	: 200mm x 200mm
Area Coverage	: 25 pieces/m²
Thickness	: 80mm
Approx Weight	: 6.8kg

Special Feature:

- Act as a barrier to reduce the vehicle speed when approaching road junctions, roundabouts, pedestrian crossings, road humps and other dangerous areas or premises
- Consist of 2 line transverse bars that will provide speed bump effect (sound and vibration)
- It comes with Reflective Yellow/ White for long lasting effect (R Series)

PRIME LOCK

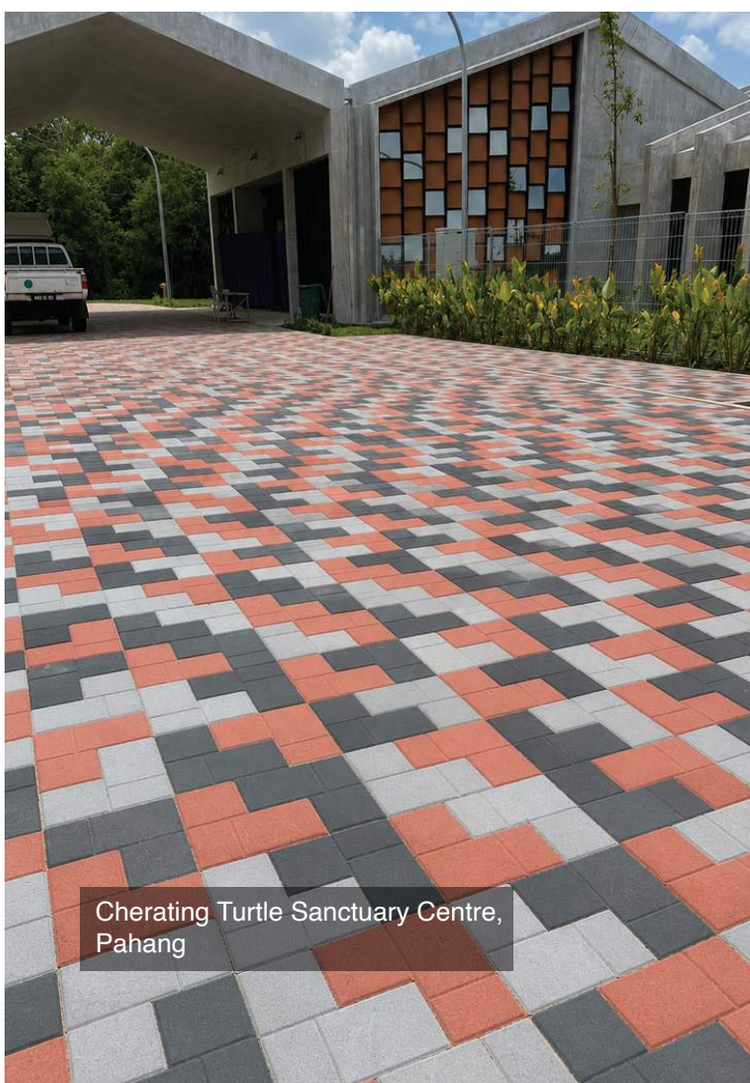


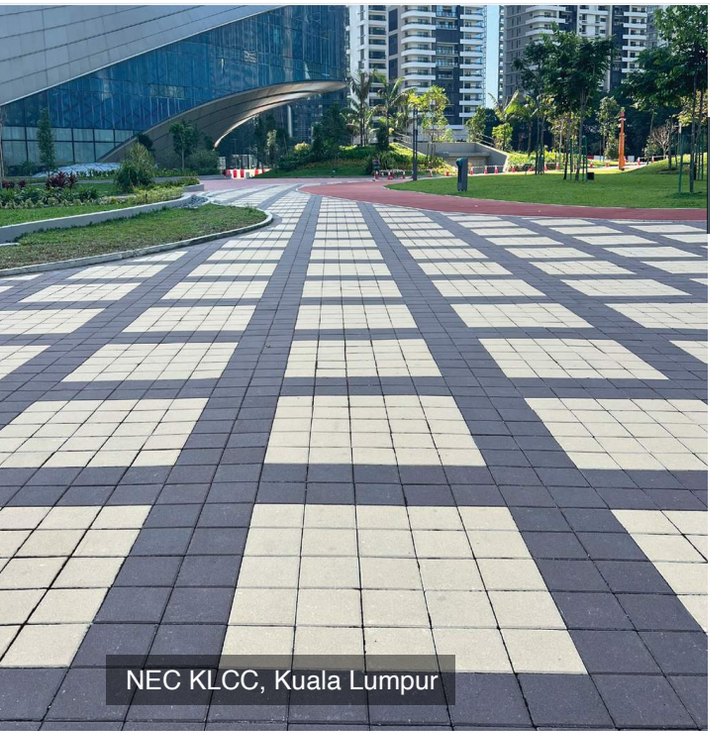
Prime Lock New!

Size	: 300mm x 300mm
Area Coverage	: 14.8 pieces/m²
Thickness	: 80mm
Approx Weight	: 11.93kg

Special Feature:

- A L-shaped prime paver with enhanced spacer that gives the pavement better locking properties among each pieces
- The uneven rock surfaces finishing giving the pavement a different vibe of naturalistic look





NEC KLCC, Kuala Lumpur



Lebuh Cina, Penang



Taman Awam Pangkalan Batu, Selangor

PRIME PAVERS



Size : 200mm x 200mm
Area Coverage : 25 pieces/m²
Thickness : 60 / Z60 / 80mm
Approx Weight : 6.00 / 6.80kg



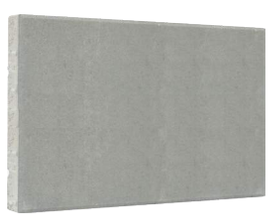
Size : 200mm x 600mm
Area Coverage : 8.33 pieces/m²
Thickness : 60 / Z60mm
Approx Weight : 17.00kg



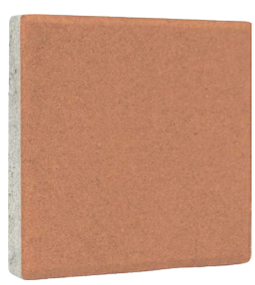
Size : 200mm x 400mm
Area Coverage : 12.50 pieces/m²
Thickness : 60 / Z60mm
Approx Weight : 10.42kg



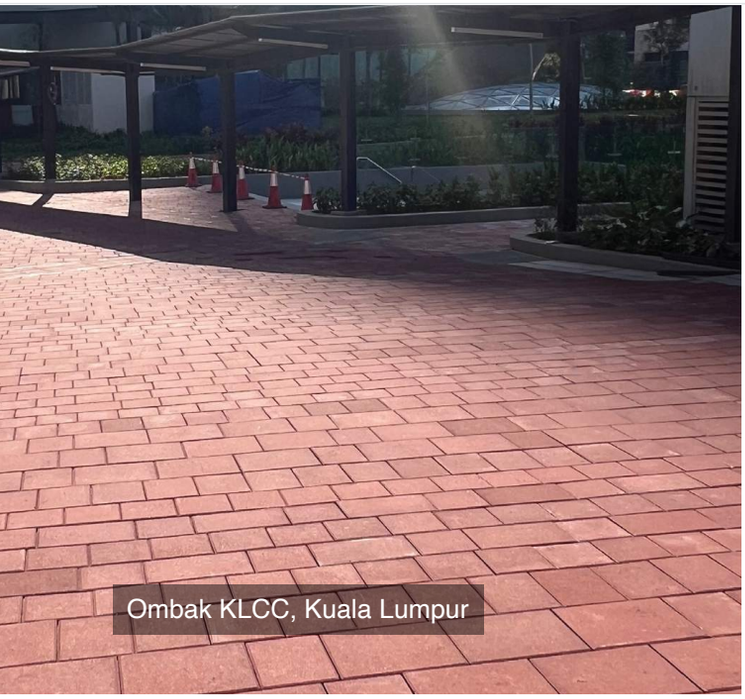
Size : 400mm x 400mm
Area Coverage : 6.25 pieces/m²
Thickness : 60 / Z60mm
Approx Weight : 22.00kg



Size : 400mm x 600mm
Area Coverage : 4.16 pieces/m²
Thickness : 60 / Z60mm
Approx Weight : 33.00kg



Size : 600mm x 600mm
Area Coverage : 2.78 pieces/m²
Thickness : 60 / Z60mm
Approx Weight : 49.00kg



Ombak KLCC, Kuala Lumpur



Austin Heights, Johor

MULTIPLE SIZE



Batang Kali, Selangor



M I

Size (mm)	Thickness (mm)	Approx Weight (kg/pcs)	Area Coverage (pcs/m2)
201 x 201	80	7.00	4 sets
201 x 268		9.60	
201 x 335		11.70	
268 x 335		15.50	

* Only sold in full set of 4 pcs.



M II

Size (mm)	Thickness (mm)	Approx Weight (kg/pcs)	Area Coverage (pcs/m2)
120 x 160	60 / Z60	2.35	5.2 sets
160 x 160		3.15	
160 x 240		4.60	

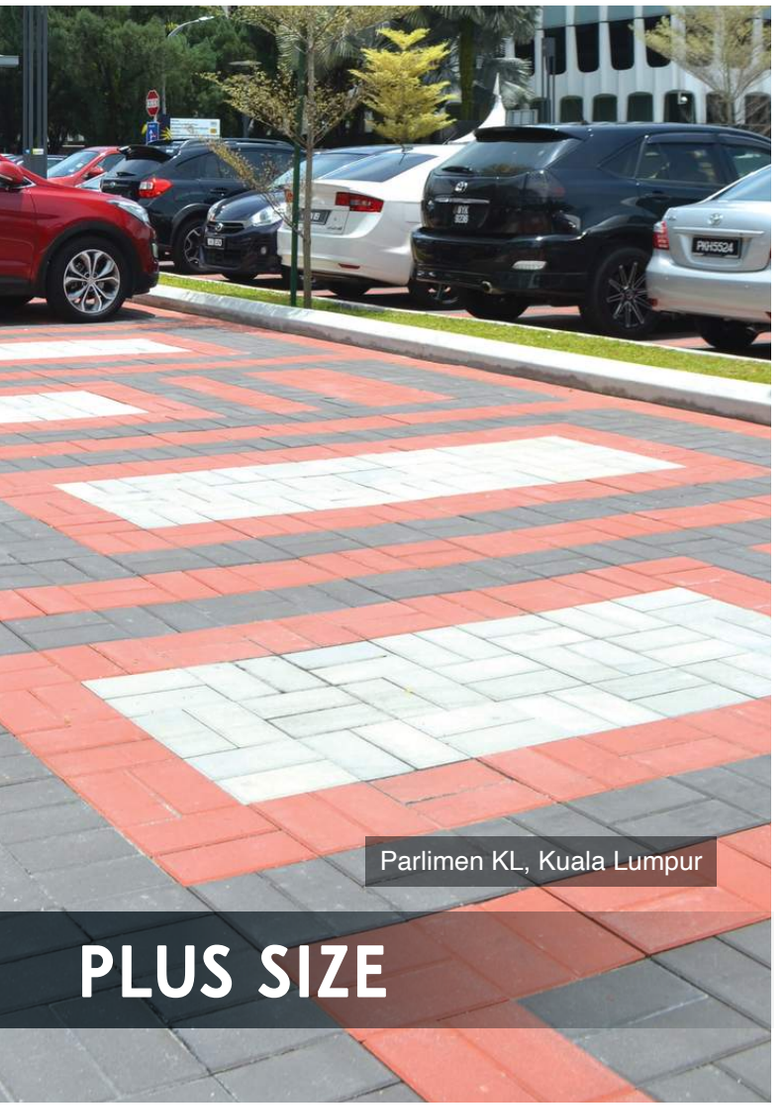
* Only sold in full set of 3 pcs.



Masjid Jamek Cina Klang, Selangor

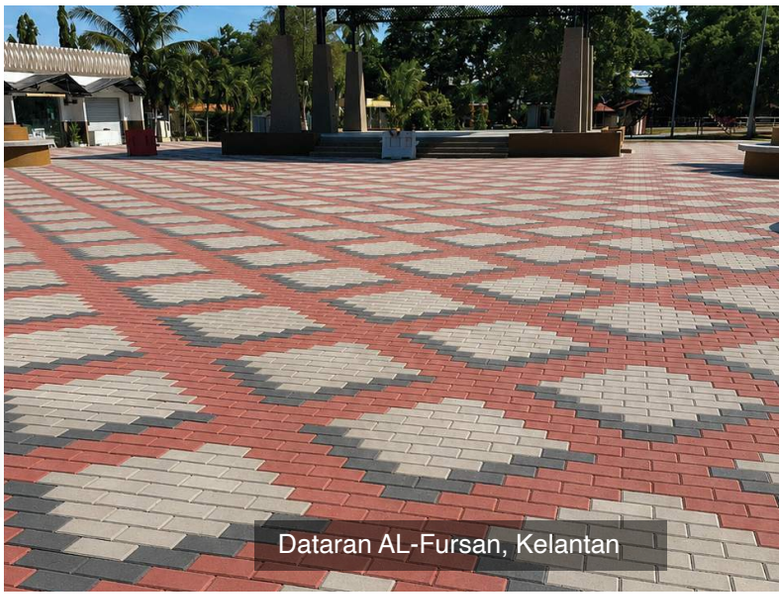


Jasper Square Sunsuria City, Selangor



Parlimen KL, Kuala Lumpur

PLUS SIZE



Dataran AL-Fursan, Kelantan



Flexipave Flexipave Plus

Flexipave Plus

Size	: 150mm x 300mm
Area Coverage	: 22.2 pieces/m^2
Thickness	: 80mm
Approx Weight	: 7.80kg

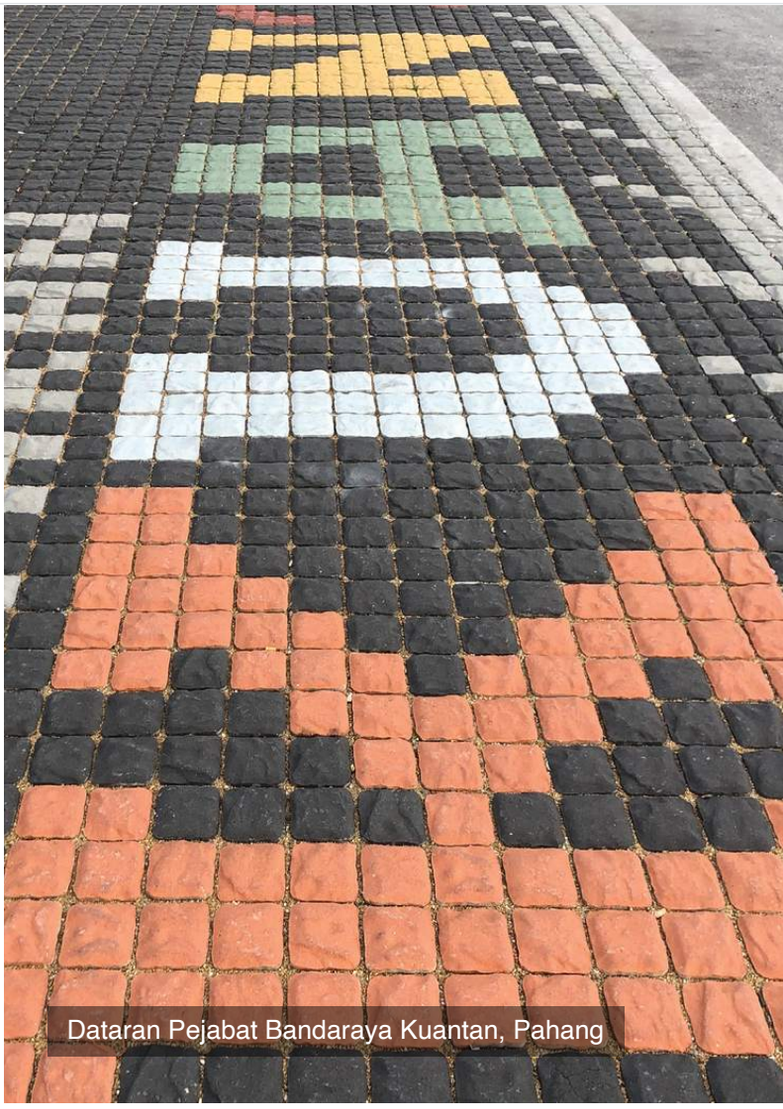


Flexipave i Pavers

i Pavers

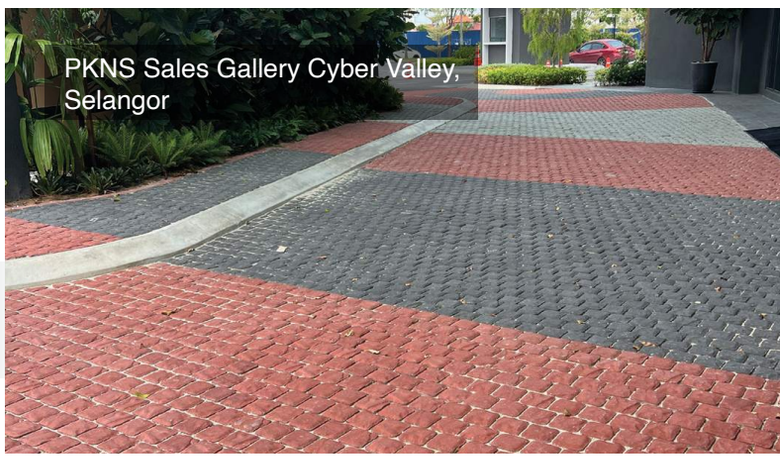
Size	: 1000mm x 1000mm
Area Coverage	: 1 piece/m^2
Thickness	: 80 / 100mm
Approx Weight	: 180.00 / 225.00kg


Leisure Farm Johor


Dataran Pejabat Bandaraya Kuantan, Pahang


Tropicana Aman, Selangor

COBBLEPAVE


PKNS Sales Gallery Cyber Valley, Selangor



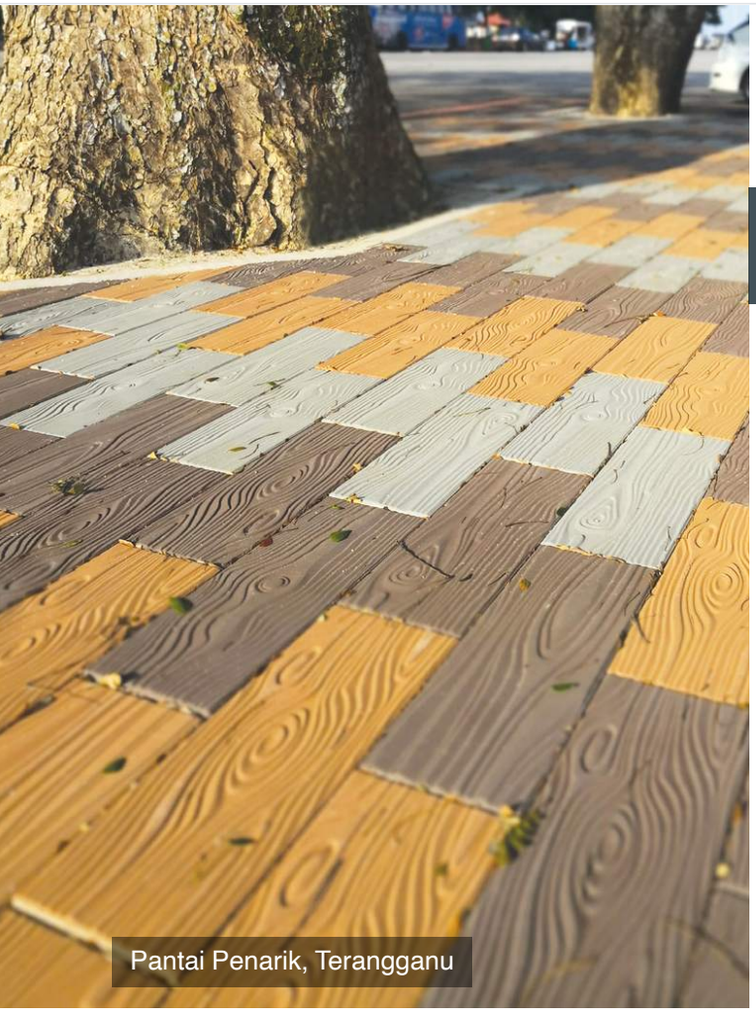
Cobblepave

Size : 100mm x 100mm
Area Coverage : 100 pieces/m^2
Thickness : 100mm
Approx Weight : 2.20kg



Cobblepave 2.0

Size : 125mm x 125mm
Area Coverage : 64 pieces/m^2
Thickness : 80mm
Approx Weight : 2.40kg



Pantai Penarik, Terangganu

WOOD PAVERS



Size	: 200mm x 600mm
Area Coverage	: 8.33 pieces/m^2
Thickness	: 60 / Z60mm
Approx Weight	: 14.50kg



Pantai Penarik, Terangganu

NEUPAVE
(PERMEABLE PAVERS)

MLAA
MALAYSIA LANDSCAPE ARCHITECTURE AWARDS 2017
HONOUR AWARD
Supplier & Manufacturer Category
Green Product Awards



FINISHES



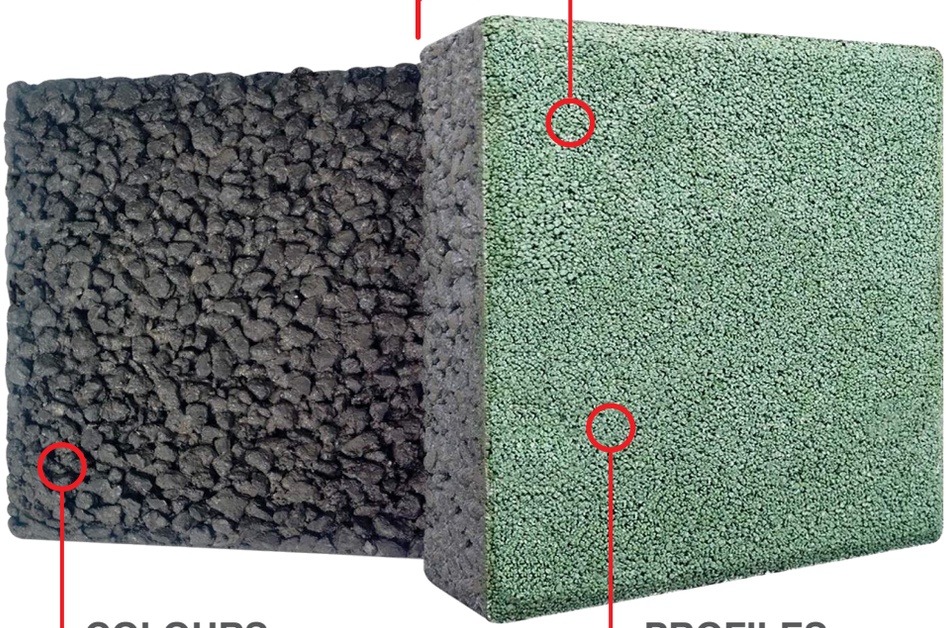
Fine Finish
(10 - 12% Porosity)
Infiltration rate:
Approx. 150 litre / min / m^2



Rough Finish
(15 - 17% Porosity)
Infiltration rate:
Approx. 300 litre / min / m^2

THICKNESS

60MM - 30MPa
80MM - 45MPa



COLOURS

Standard



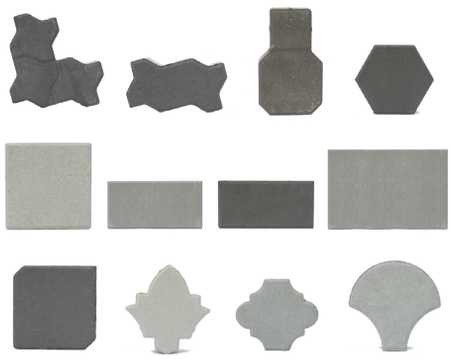
Premium



Supreme



PROFILES



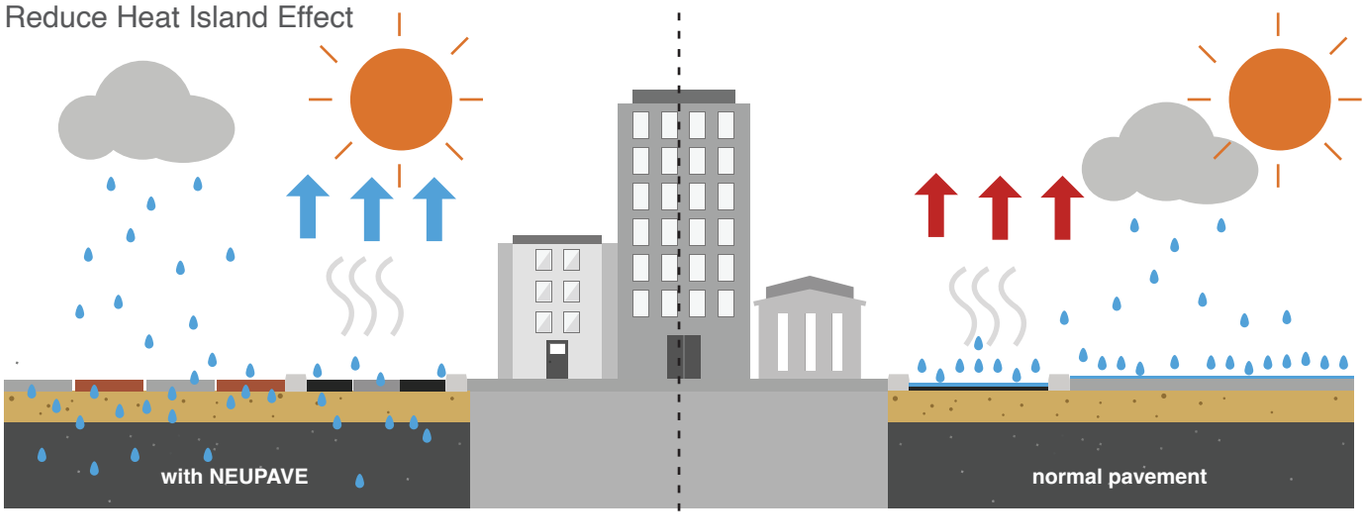
As the first in Malaysia to manufacture this new paving technology, Neupave is a paving alternative to more traditional types of hardscape flooring materials, where water is now allowed to permeate through the surface to underlying soil.

Normal concrete pavements do not allow much water to infiltrate particularly if they are mortared in place. The flowing water would normally hit the surface and then flow down to the nearest drainage channel, becoming storm water runoff. Neupave differs vastly from the above as its hard surfacing allows water to percolate to an underlying reservoir base. Permeable pavement can be used instead of standard concrete for surfacing sidewalks, driveways, parking areas and many types of pavement surfaces. As the usual concrete is considered to be impermeable, water that falls usually stays on the surface and cannot flow through the surface to the soils below, but rather runs to the lowest points to be drained away.

NEUPAVE (PERMEABLE PAVERS)

SYSTEM A FULL EXFILTRATION

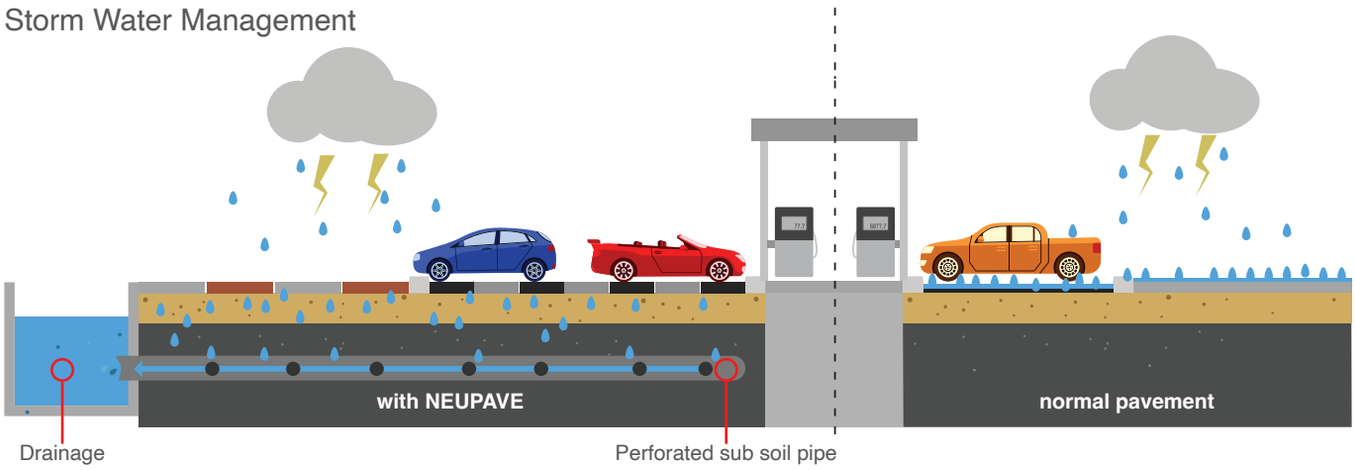
Reduce Heat Island Effect



This full exfiltration system allows water to fully infiltrate into the ground directly through series of permeable materials and also the subgrade with good water permeability. The moisture within the ground evaporates through Neupave pores and draws the heat out cooling the surrounding. This system works well in area with low water table and at residential area.

SYSTEM B PARTIAL EXFILTRATION

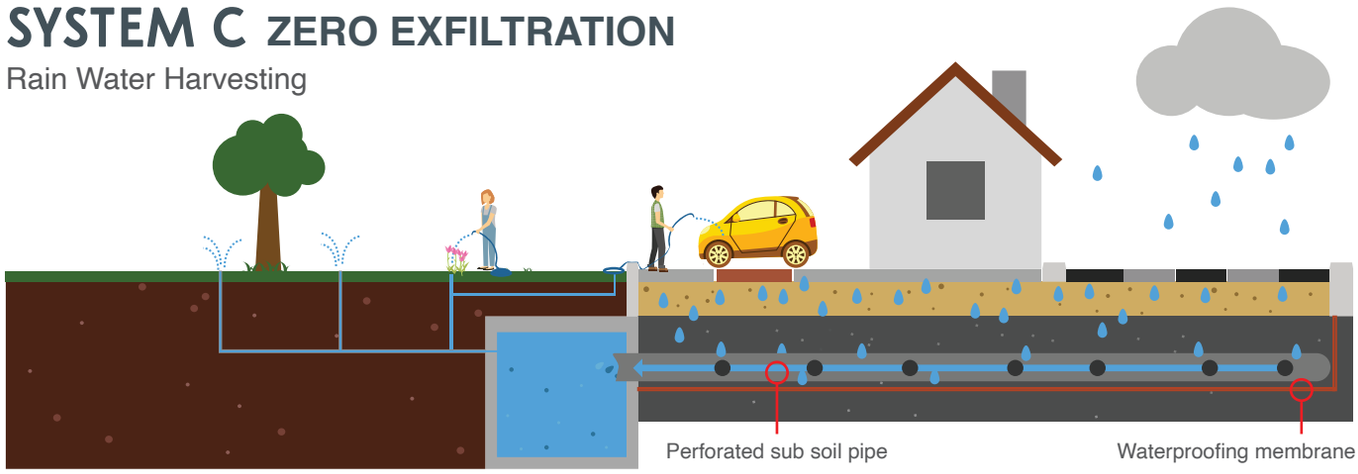
Storm Water Management



This partial exfiltration system allows water to either infiltrate into the ground directly or drained through the perforated sub-soil pipe. The pipes are connected to nearby drainage system to speed up the water discharge, preventing surface water built up at the area. This system works well in area with medium water table and at residential area.

SYSTEM C ZERO EXFILTRATION

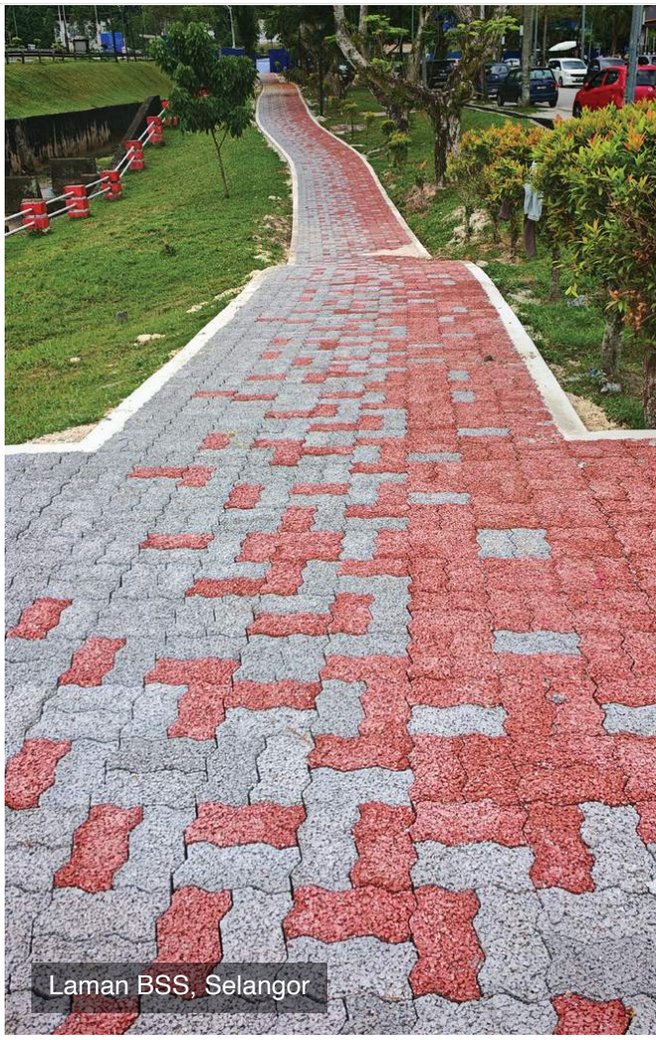
Rain Water Harvesting



This zero exfiltration system capture and retain water above the ground in the permeable sub-base by a layer of waterproofing membrane, and drains through pipe outlets to nearby drainage system or a water treatment system. This system does not only act as a storm water retention basin, it also allows rainwater to be captured and reuse for plants watering and cleaning when it is installed in a park or households. On top of that, it minimizes direct water contamination to the environment by capturing the contaminated water at areas with high pollutant contamination and transfer it to a waste water treatment plant before discharging into drains or river.



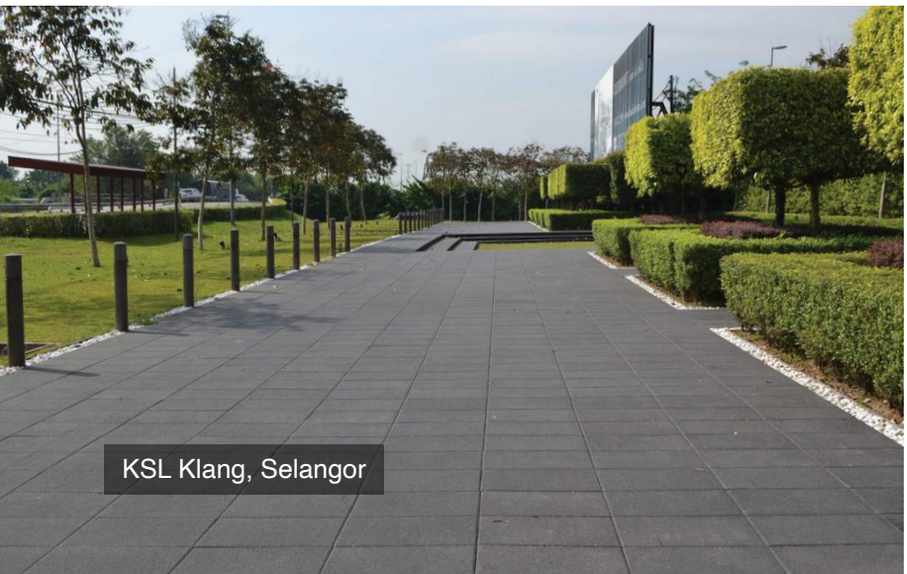
Denai Alam, Selangor



Laman BSS, Selangor



Monash Univerisity Malaysia, Selangor



KSL Klang, Selangor

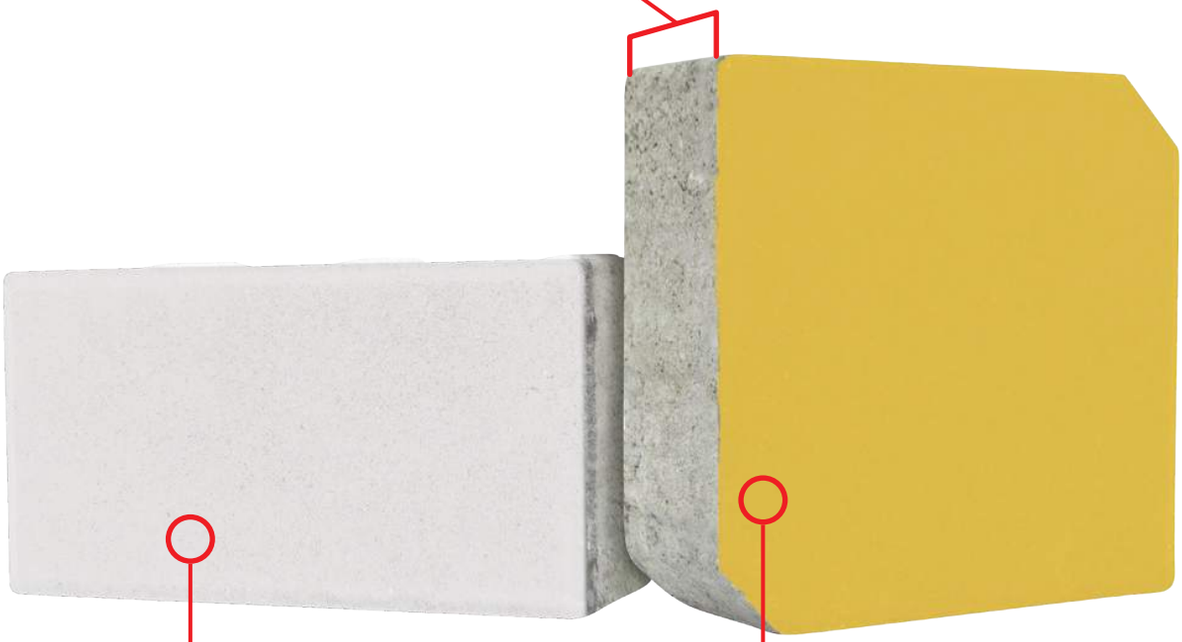


Gua Damai Extreme Park, Selangor

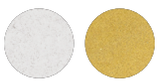
R SERIES (REFLECTIVE PAVERS)

THICKNESS

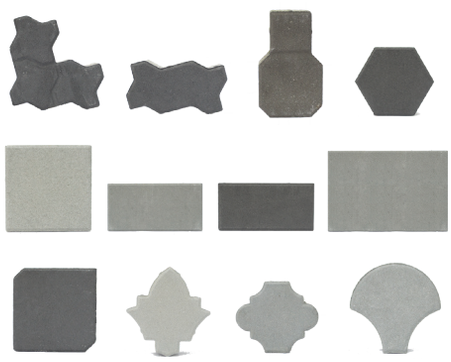
60MM - 30MPa
80MM - 45MPa



COLOURS



PROFILES



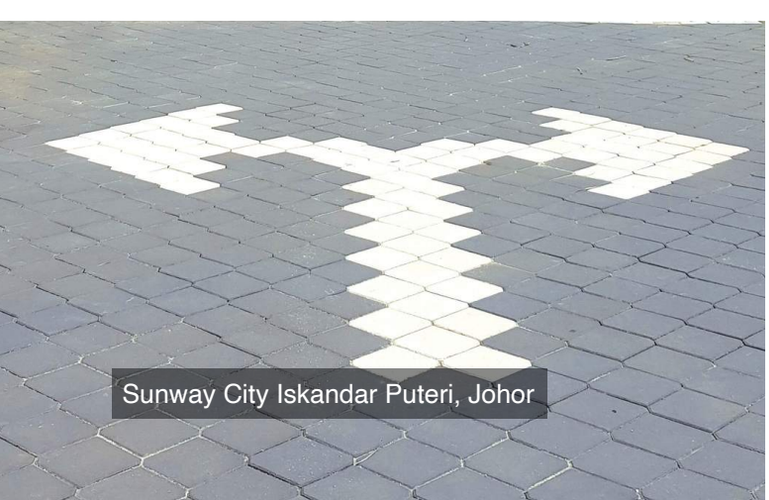
COLOUR QUALITY COMPARISON



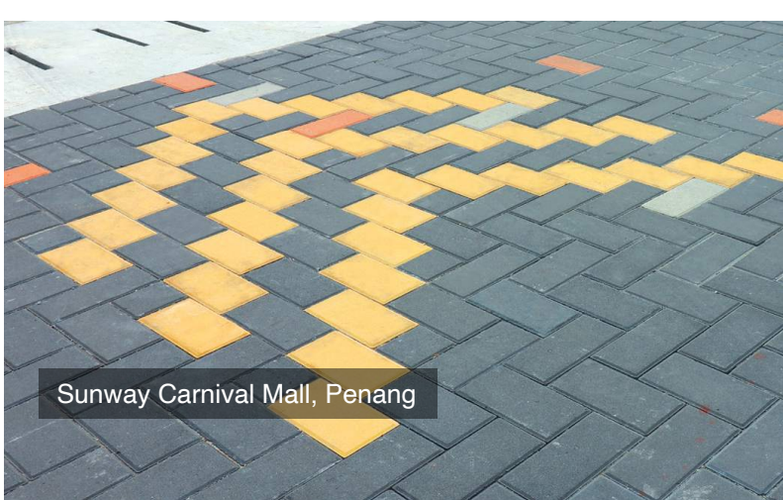
R Series Yellow
(Reflective At Night)



Normal Yellow



Sunway City Iskandar Puteri, Johor



Sunway Carnival Mall, Penang



SMK Seberang Temerloh, Pahang



Sunway Serene, Selangor



Sunway Bayu Ipoh, Perak

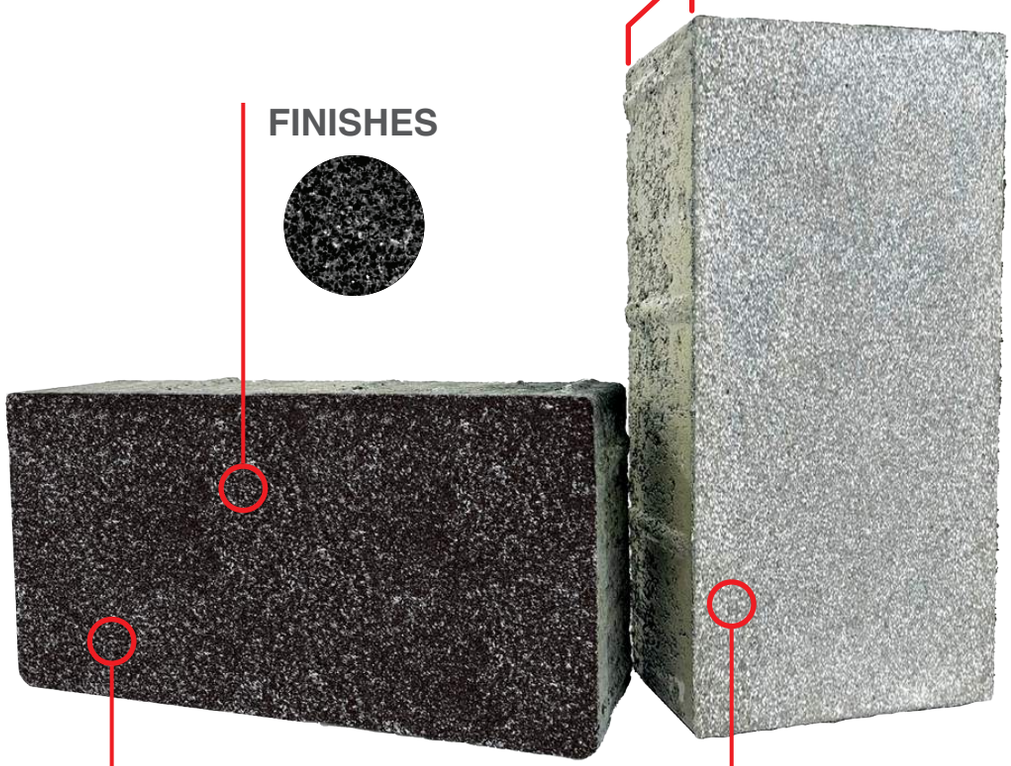


Aurora Sentral, Iskandar Puteri, Johor

BLINK SERIES

THICKNESS

60MM - 30MPa
80MM - 45MPa



FINISHES

COLOURS

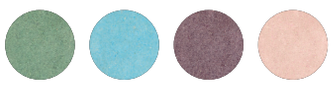
Standard



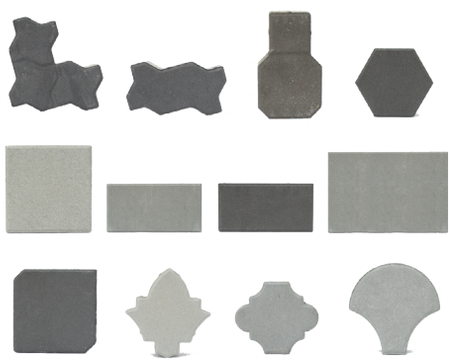
Premium



Supreme



PROFILES





Sunway City Kuala Lumpur, Selangor



Sunway City Kuala Lumpur, Selangor

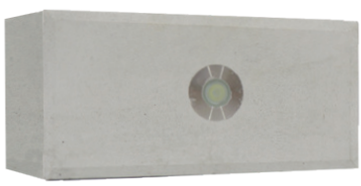


LED PAVERS

Batang Kali, Selangor

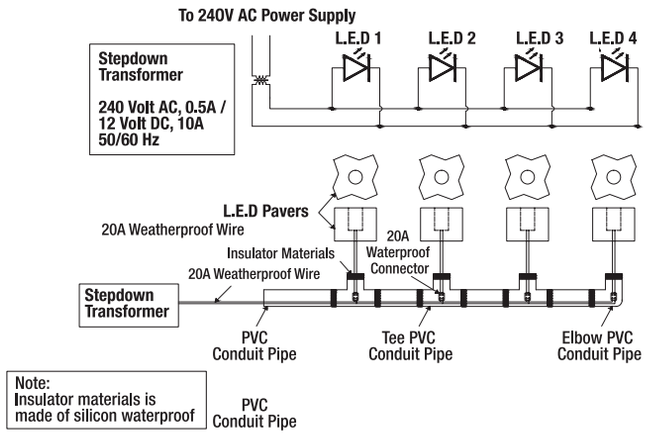


Size : 111mm x 111mm
Area Coverage : 78.9 pieces/m²
Thickness : 80mm
Approx Weight : 2.00kg

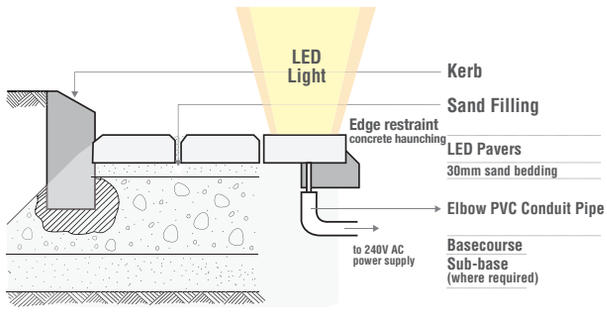


Size : 100mm x 200mm
Area Coverage : 49.5 pieces/m²
Thickness : 80mm
Approx Weight : 3.40kg

L.E.D Pavers Installation



Typical Pavement Cross-section



SPLIT FACE BRICKS



Size	: 200mm x 100mm
Area Coverage	: 53 pieces/m^2
Thickness	: 80mm
Approx Weight	: 3.3 - 3.5kg

COLOURS



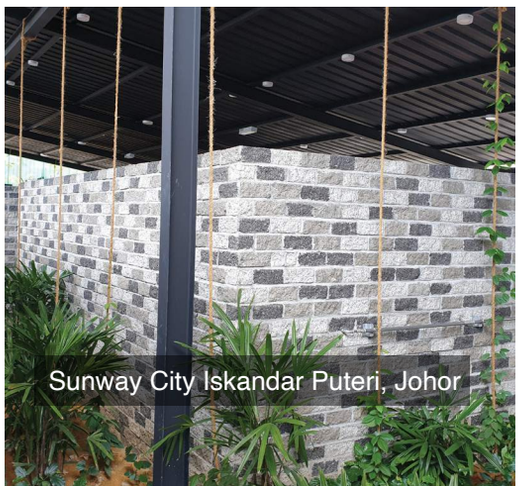
Red | Grey | Black



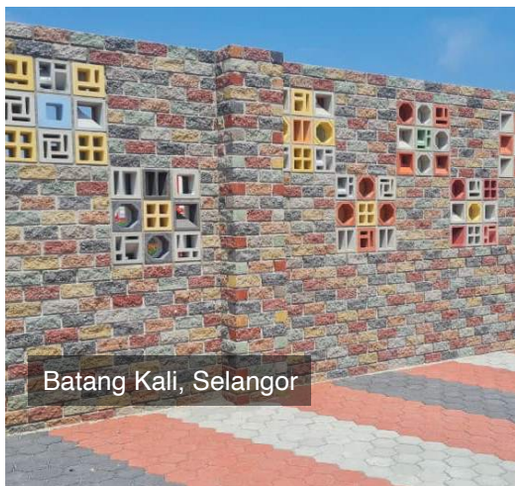
Orange + Black | Yellow + Brown | Grey + Dark Grey | Light Brown + Dark Brown | Red + Black



Marang, Terengganu



Sunway City Iskandar Puteri, Johor



Batang Kali, Selangor

SUPPLY & LAY SERVICE
REPAIR AND MAINTENANCES

INTERLOCKING CONCRETE PAVERS
COMPRESSED CONCRETE PAVING SLABS (E-WALK)







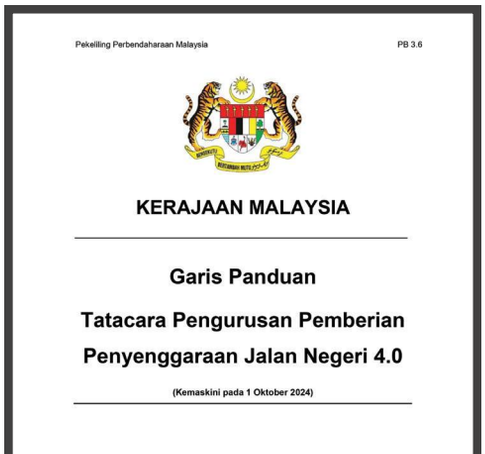
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019 - 750 1151

serihandalan.com

Pembinaan Seri Handalan Enterprise Sdn Bhd



Pekeliling Perbendaharaan Malaysia PB 3.6

KERAJAAN MALAYSIA

Garis Panduan

Tatacara Pengurusan Pemberian Penyenggaraan Jalan Negeri 4.0

(Kemaskini pada 1 Oktober 2024)

PERBENDAHARAAN MALAYSIA

MARRIS COMPLIANCE

9. SPESIFIKASI PENDAFTARAN DAN KELAYAKAN JALAN NEGERI

9.2 Ketebalan Minimum Permukaan Jalan Yang Layak Mendapat Pemberian

9.2.1 SRT I: Premix/Concrete/Interlocking Block

(i) Ketebalan minimum lapisan premix/ concrete/ Interlocking Block bagi kategori Jalan Raya Negeri/ Bandaran, Jalan Kawasan Perumahan, Perbatuan Lorong Belakang, hendaklah tidak kurang daripada 100mm;
(ii) Minimum lapisan premix/ concrete/ Interlocking Block bagi ketegori Jalan Kampung, Jalan Pertanian dan Jalan Pulau Pelancongan hendaklah tidak kurang daripada 50mm; dan
(iii) Spesifikasi kerja premix/ concrete/ Interlocking Block ini hendaklah mematuhi spesifikasi piawai kerja jalan JKR bagi semua kategori jalan negeri.

Source: *Garis Panduan Tatacara Pengurusan Pemberian Penyenggaraan Jalan Negeri 4.0, page 29*

TECHNICAL SPECIFICATION

Malaysia's 1st Algae Resistance Interlocking Concrete Pavers (ICP)

Interlocking Concrete Pavers (ICP) by Sunway Paving Solutions Sdn Bhd (SPS) were developed to ensure the surfaces of our ICPs are free from algae growth, as it is commonly happened on almost all other places. Our ICPs are algae resistance up to 80%, where our R&D department has undergone many research over the years and we are proud to say that we are Malaysia's 1st Algae Resistance Interlocking Concrete Pavers since 2013, to have such properties in all of our product range except for Neupave.

Algae Resistance Trial Products since 2013



With Algae Resistance Properties Application



Without Algae Resistance Properties Application

Algae growth test result on SPS ICPs

Identification No.	Algae Growth Area (%)	Rating
SPS Control 01	1.6 : Trace of growth	1
Sample 01	0 : None	0
Sample 02	0 : None	0
Sample 03	1 : Trace of growth	1
Sample 04	0 : None	0
Sample 05	0 : None	0

Note: 0: None, 1: Traces of growth (less than 10%), 2: Light growth (10 to 30%), 3: Medium growth (30 to 60%), 4: Heavy growth (60% to complete coverage).

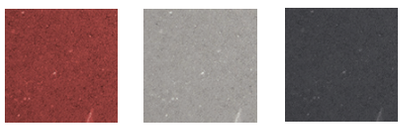
Specification

Thickness	Strength	Application	**Typical Basecourse Requirements	
			Type of Material	Recommended Thickness
60mm	30MPa	Pedestrian traffic ie. Footpath, Bicycle Track, Jogging Track, Park & Garden Landscape, Pool Deck, Patio etc	(a) Quarry Dust (Footpaths)	100 to 150
Z60mm	45MPa	Occasional vehicular traffic ie. Boulevard, Assembly area, Plaza, Buggy Track etc	(b) Crusher Run (Driveways)	225 to 600
80mm	45MPa	Regulate Traffic ie. Driveway, Drop-off area, Cul-de-Sac, Warehouse, Industrial Area, Temporary Access, Roundabout, Junction, Backlane, Feeder Road, Internal Road, Fire Engine Access etc	(c) Crusher Run (Roads & container yards)	225 to 600
100mm	45MPa	Heavy-Duty Traffic ie. Inland port, maritime port etc	(d) Lean Concrete (Very heavy concentrated loads)	225 to 600

*Tolerance: Thickness ±3mm Dimension ±2mm
**The recommended basecourse thickness is still subject to CBR test on sub-base and subgrade soil conditions.
MS 1380 : 1995 (Specification for Precast Concrete Paving Blocks)
BS EN 1338 : 2003 (Specification for Concrete Paving Blocks)
BS 6717 : 1993 (Specification for Precast Concrete Paving Blocks)

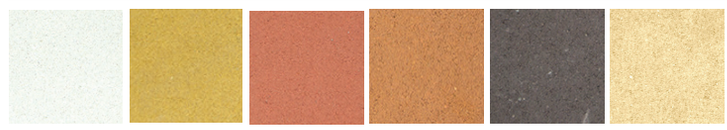
Colour Selection

Standard Colour



Red | Natural Grey | Black

Premium Colour



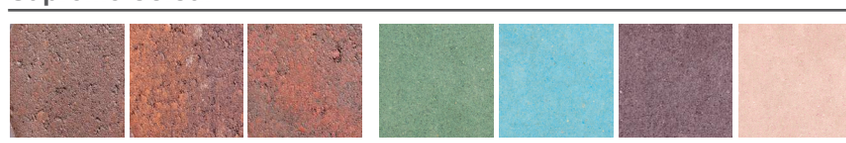
White | Yellow | Peach | Light Brown | Dark Brown | Beige

Added Effect



Shot Blast | Blink | Shot Blast + Blink

Supreme Colour



Various shades of Antique | Green | Blue | Purple | Pink

Colours can be custom-made to suit your design requirement.
Finished product colour may vary, subject to the colour of sand, cement and colour pigments used at the time of production.

Efflorescence

This superficial phenomenon is commonly found in most concrete-based or cementitious products. However, this efflorescence effect will disappear over time (weathering) whereby rain usually washes the efflorescence away in about six months to a year and in the worst-case scenario could take up to two years.

INTERLOCKING CONCRETE PAVERS (ICP) STANDARD

	Standard		
	MS 1380 : 1995	**BS EN 1338 : 2022**	**BS 6717 : 1993**
Use in	Malaysia only	International	International, (superseded by BS EN 1338:2003, but still accepted in Singapore)
Physical Properties	Length ± 2mm Width ± 2mm Height ± 3mm	Length ± 2mm Width ± 2mm Height ± 3mm	Length ± 2mm Width ± 2mm Height ± 3mm
Compressive Strength	> 45MPa	N/A	> 49MPa
Abrasion	≥ 1.5[a]	≤ 23mm[b] ≤ 20,000mm^3/ 5000mm^2[c]	N/A
Water Absorption	N/A	≤ 6%	N/A
Tensile Splitting Strength	N/A	> 3.6MPa (Failure load >250N/mm)	N/A
Slip/ Skid Resistance	N/A	Minimum value[d]	N/A

Note:
MPa = MegaPascal (N/mm^2)
[a] Abrasion Test using Drill method (Method no longer practical).
[b] Abrasion Test using Wide Wheel method (BS EN 1338:2003 Annex G). Conducted at SPS.
[c] Abrasion Test using Böhme Test (BS EN 1338:2003 Annex H). Conducted at SIRIM.
[d] Average of three (3) values. Higher value indicates better slip/skid resistance.

INSTALLATION PROCEDURE

1



Basecourse

Based on the existing sub-grade / soil conditions and the anticipated traffic loading into consideration, an adequate thickness of well compacted basecourse must be provided to ensure good pavement performance. Any existing bituminious or concrete surfaces need not be removed and can act as good base.

2



Sand Bedding Layer

A layer of sand should be loosely spread and screeded to a uniform thickness such that its compacted thickness would be approximately 30mm. It is important that the layer of sand remains undisturbed prior to the laying of paving blocks.

3



Laying The Blocks

Paving blocks are placed side by side on the sand bed with gaps of approximately 2mm between adjoining blocks.

4



Blocks Cut To Fit

Paving blocks can be cut to fit edges and awkward corners.

5



Sand Infill

Fine sand is brushed in to fill gaps in between paving blocks. Hand-guided plate vibrator is applied once again to ensure that sand filling in the gaps are fully compacted to stabilize the paving blocks pavement.

6

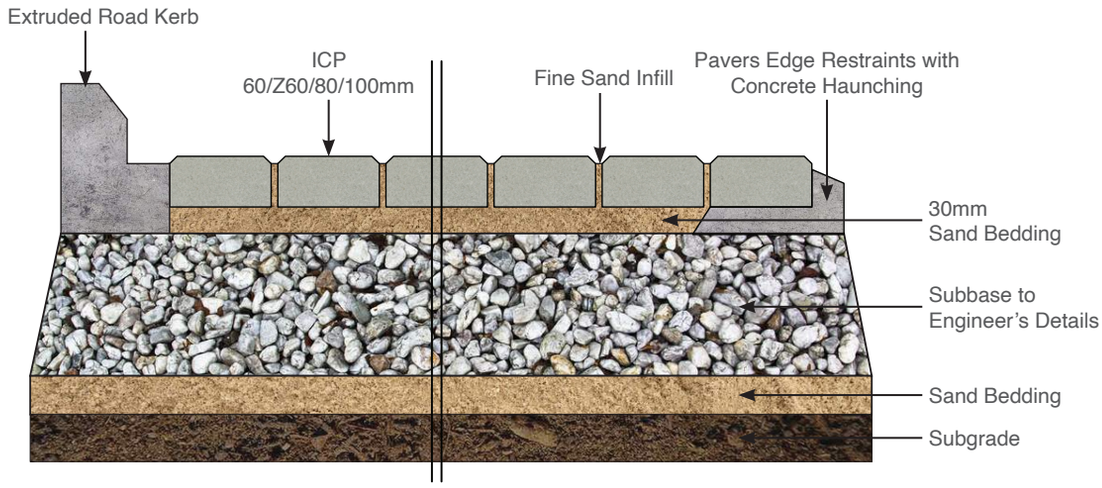


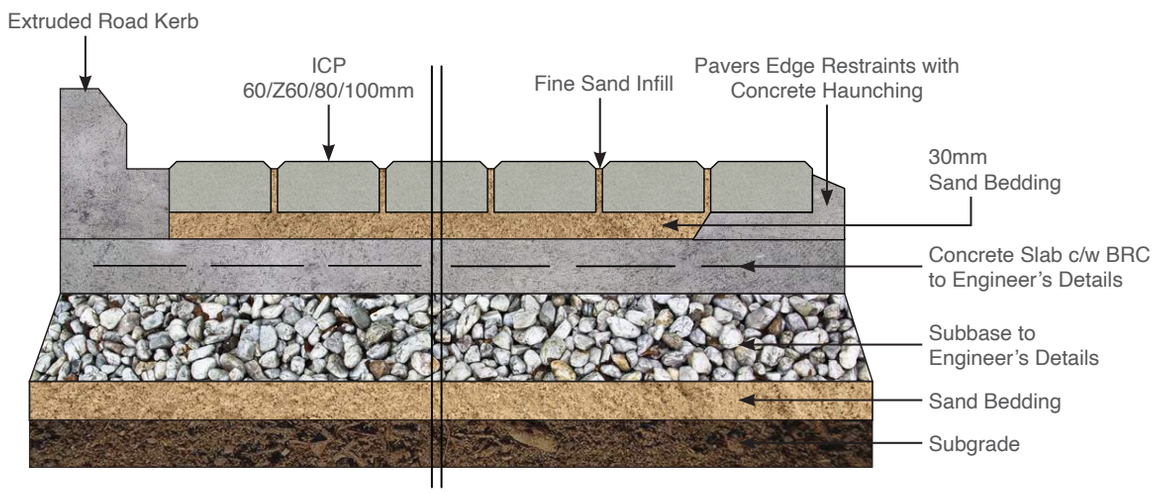
Pavement Compaction

Paving blocks pavement is compacted with a hand-guided compactor until it is firmly embedded in the sand layer.

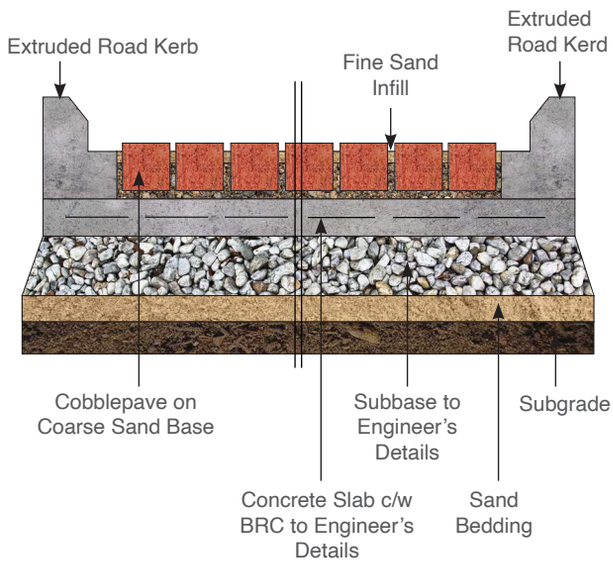
TYPICAL CROSS SECTION

Interlocking Concrete Pavers (ICP)

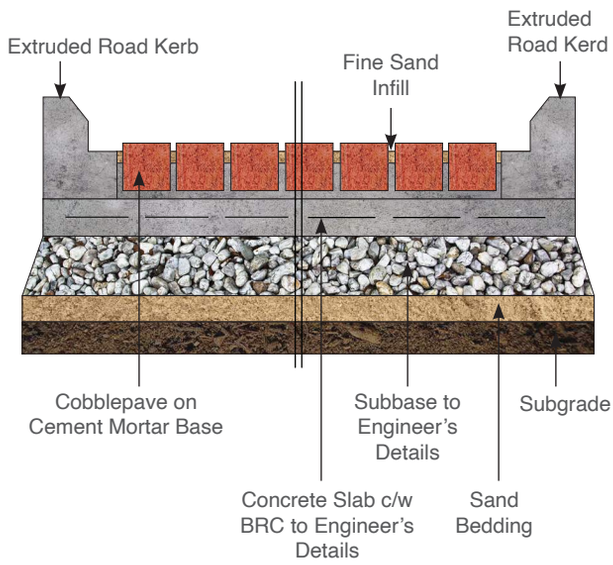




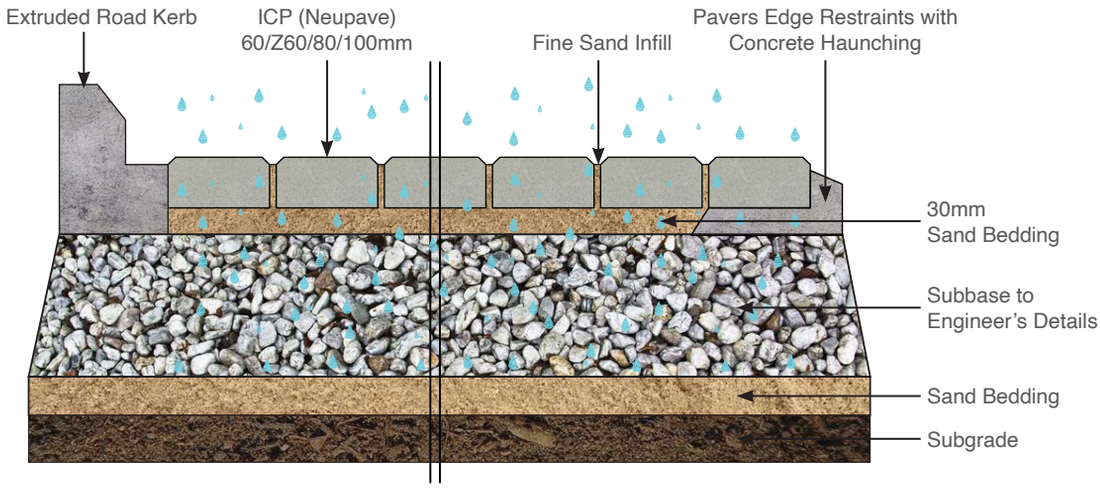
Cobblepave 1.0



Cobblepave 2.0

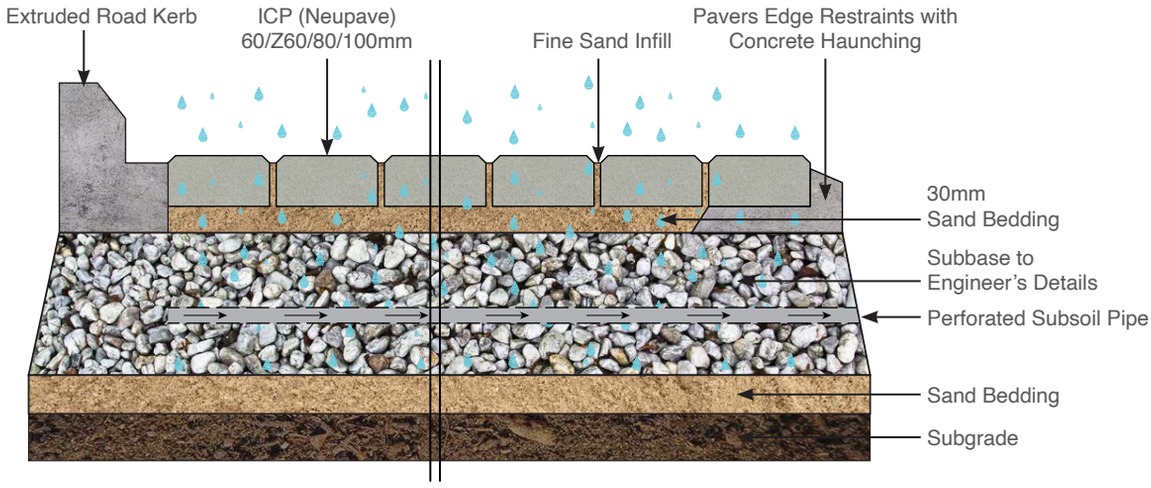


Neupave - System A (Full Exfiltration)



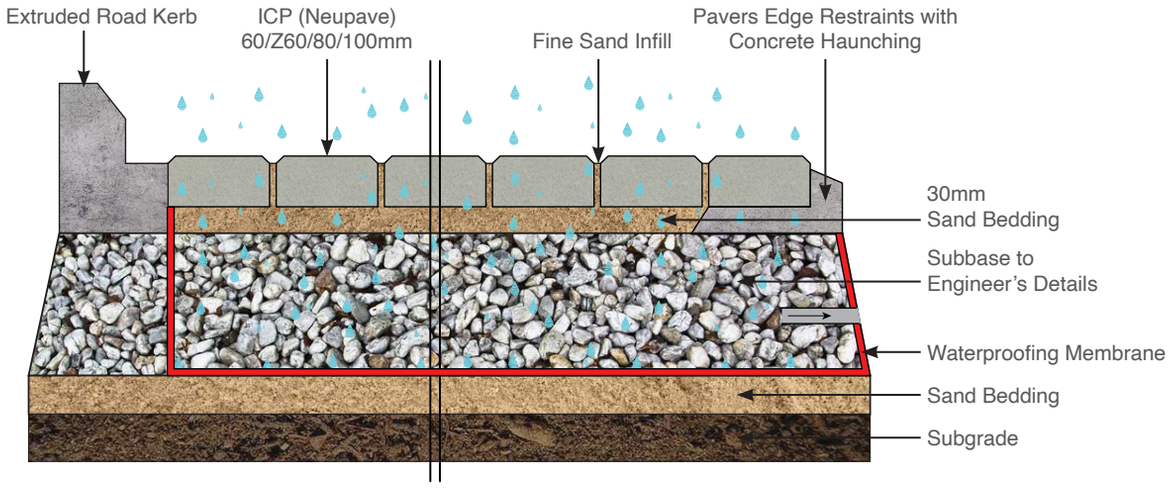
All water falling onto the NeuPave infiltrates down though the pavers, passing through the aggregate layers, and eventually into sub-grade. The sub-base shall act as temporary storage device.

Neupave - System B (Partial Exfiltration)



Similar to System A, but with a series of perforated subsoil pipe at the bottom of sub-base. This is to extract out the remaining water.

Neupave - System C (Zero Exfiltration)



Used for complete capture of water using as waterproofing membrane at the bottom of sub-base. Pipes can be fixed to have restricted outflow from the system.

Note: Subject to engineer's specifications

SUNWAY
BUILDING
MATERIALS

AON BESTEMPLOYERS MALAYSIA | 2016
AON BESTEMPLOYER MALAYSIA | 2018

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CERTIFICATE NO : EMS 00655

CERTIFIED TO ISO 45001 : 2018
CERTIFICATE NO : OHS 00894

SIRIM
BUATAN MALAYSIA

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