



SAGA PAVER INDUSTRIES SDN BHD



**STYLE • VERSATILITY • QUALITY
COMMITMENT TO THE ENVIRONMENT**

INTRODUCTION

Incorporated on 28th December 2022, Saga Paver Industries Sdn Bhd is a fully-owned subsidiary of Saga Roofing Systems Sdn Bhd. It completed the acquisition of ASC Tiles Sdn Bhd's production assets in January 2023 and subsequently, production operations commenced in February 2023.

Situated at KM 8, Jalan Jelebu, Mukim Ampangan, Seremban, the facility specializes in the manufacturing of concrete interlocking blocks adhering to the BS EN 1338:2003 standards. Rigorous quality control measures are in place, with each production batch undergoing testing in its in-house laboratory, which are calibrated and audited by Sirim yearly.

APPLICATION

The versatility of our paver blocks knows no bounds, finding applications across a spectrum of uses ranging from light to medium and heavy-duty permanent surfaces. Applications include:

- walkways, driveways, bicycle paths, patios, pool decks, erosion control, temporary paving
- public parking, bus stops, service roads, maintenance areas, residential streets
- city streets, intersections, gas stations, loading decks
- container terminals, aircraft parking aprons, etc.

Our paver blocks come in attractive designer shapes and shades, allowing them to be extraordinarily versatile and structurally strong. The advantages of using our paver blocks include:

- Durable and low-maintenance
- Resistant to weather
- Interlocking feature
- Architectural beautification
- Flexible, easy access to underground utility services
- Low unit cost and easy installation

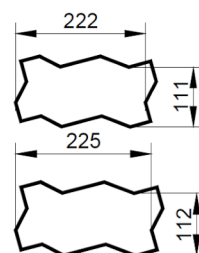


PRODUCT OVERVIEW

SAGAPAVE



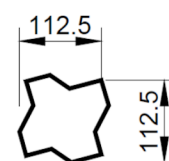
Thickness (mm)	60	80	100
Weight (kg)	3.30	4.25	5.55
Pcs/m ²	39.5	39.5	38.47
Packing/pallet (pcs)	640	480	400



SAGAPAVE HALF



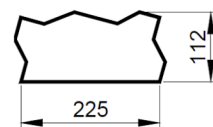
Thickness (mm)	80
Weight (kg)	2.00
Pcs/m ²	79
Packing/pallet (pcs)	960



SAGA STARTER BLOCK



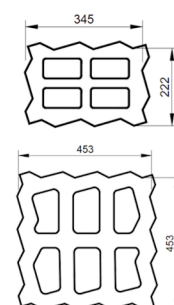
Thickness (mm)	80
Weight (kg)	4.40
Pcs/m ²	-
Packing/pallet (pcs)	480



SAGA GRASSPAVE



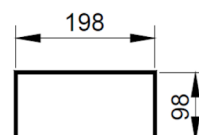
Thickness (mm)	80	100
Weight (kg)	9.80	31.7
Pcs/m ²	13.2	4.81
Packing/pallet (pcs)	144	40



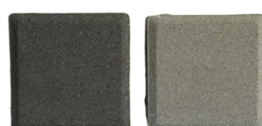
QUINPAVE



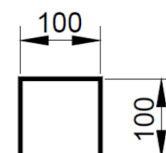
Thickness (mm)	60	80	100
Weight (kg)	2.65	3.45	4.40
Pcs/m ²	50	50	50
Packing/pallet (pcs)	864	648	540



QUINPAVE HALF



Thickness (mm)	80
Weight (kg)	1.60
Pcs/m ²	100
Packing/pallet (pcs)	1296

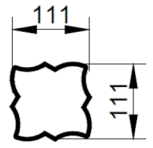


PRODUCT OVERVIEW

ROSENBERG HALF



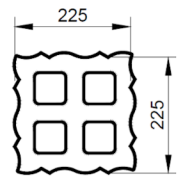
Thickness (mm) 80
Weight (kg) 2.20
Pcs/m² 76.8
Packing/pallet (pcs) 960



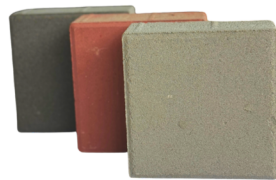
ROSENBERG GRASSPAVE



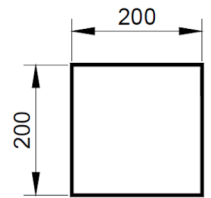
Thickness (mm) 80
Weight (kg) 5.64
Pcs/m² 19.2
Packing/pallet (pcs) 240



PLATZ



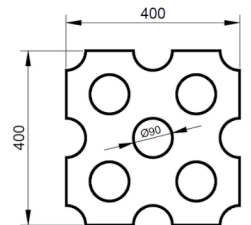
Thickness (mm) 80
Weight (kg) 7
Pcs/m² 25
Packing/pallet (pcs) 360



PLATZ GRASSPAVE



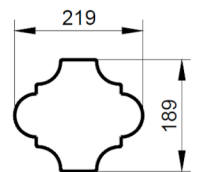
Thickness (mm) 100
Weight (kg) 23.9
Pcs/m² 6.25
Packing/pallet (pcs) 60



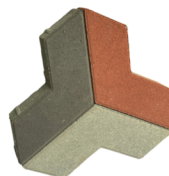
FLORA



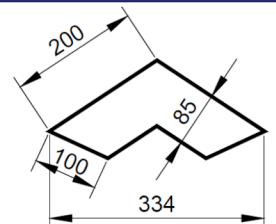
Thickness (mm) 60
Weight (kg) 3.70
Pcs/m² 34.7
Packing/pallet (pcs) 576



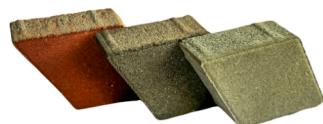
BOOMERANG



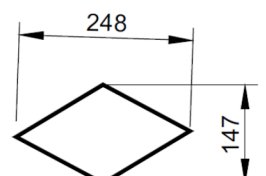
Thickness (mm) 60
Weight (kg) 3.50
Pcs/m² 37.3
Packing/pallet (pcs) 480



RHOMBUS



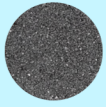
Thickness (mm) 60
Weight (kg) 2.40
Pcs/m² 53
Packing/pallet (pcs) 784



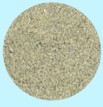


COLOUR SELECTION

STANDARD COLOURS



Dark Grey

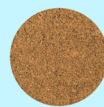


Natural
Grey

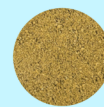


Standard
Red

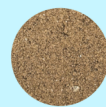
OTHER COLOURS



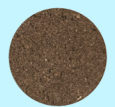
Dark
Terracota



Light
Terracota



Brown

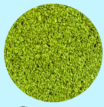


Dark Tan

PREMIUM COLOURS



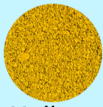
White



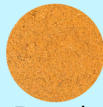
Green



Blue



Yellow

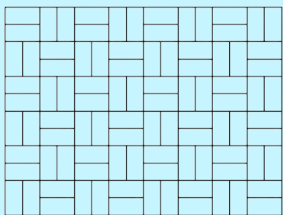


Peach

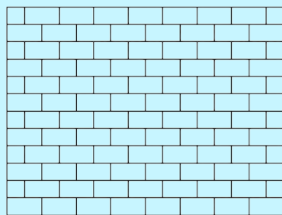


NOTE: Finished product colour may vary from photos, subject to the printing ink, the colour of materials and pigments used during production.

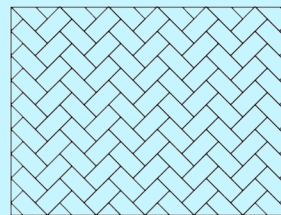
BRICK LAYING PATTERNS



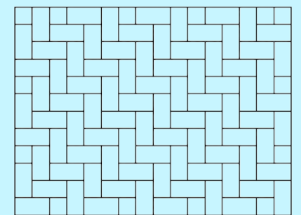
Basket Weave



Stretcher Bond



45° Herringbone



90° Herringbone

EFFLORESCENCE

This natural phenomenon is commonly found in concrete products, and as a result of the rain and other natural elements, the effect is eventually washed off. Efflorescence generally does not recur once it disappears.



The effects of efflorescence on concrete blocks

INSTALLATION



Step 1: After taking into consideration the existing subgrade condition, traffic estimation, and drainage investigation, a well-compacted base course of adequate thickness is provided to prepare a good base (in cases of poor subgrade/soil conditions, a layer of subbase may be required).

Step 2: Edge restraints in the form of precast concrete curbs, vertical edges of existing structures, or other design features will then be provided to prevent the lateral movement of paver blocks.

Step 3: A well-graded sand is then spread loose and screeded to make a level sand bed of 40mm, allowing 10mm for compacting. This layer must be loosely laid and remain untouched

Step 4: Each Saga paver block is laid closely with adjoining blocks on the uncompacted sand bed.

Step 5: The block pavement is compacted using a hand vibrator. When all the paver blocks are in place, dry sand is swept through the gaps between the paver blocks. The area is then vibrated again to give a strong and stabilized block pavement. The excess sand is swept off, and the block pavement is ready for use.

CALCULATION OF TENSILE SPLITTING STRENGTH (BS EN 1338 REQUIREMENT)

$$T = 0.637 \times K \times P/S$$

$$F = P/L$$

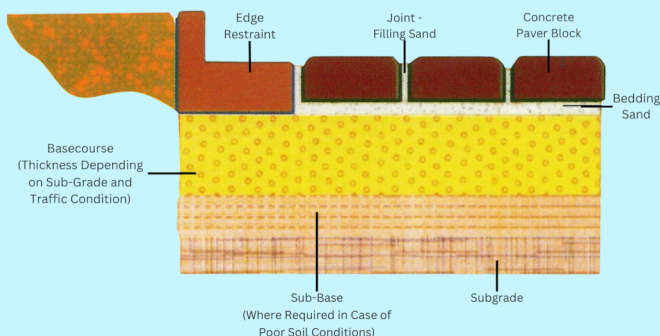
Where:

- T = Tensile splitting, N/mm²
- F = Failure load per unit length, N/mm
- P = Failure load, N
- K = Correction factor
- S = Area of failure, mm²
- L = Failure length, mm

Correction Factor K for tensile splitting strength	
Work size thickness (mm)	Correction Factor K
60	0.87
80	1.00
100	1.11

For 28 days, the tensile splitting strength $T \geq 3.6\text{N/mm}^2$
(8 blocks), $F \geq 250\text{ N/mm}$

TYPICAL PAVEMENT CROSS SECTION



Note:

Typical block thickness for

- Light to medium traffic – 60mm
- Heavy traffic – 80mm

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BS EN 1338 : 2003
CERT NO: PA018702