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VEL MURUGAN PAVER BLOCKS

We Make Your Way...

Manufacturing & Marketing unit

Beautiful
PAVERS for
Perfect
OUTDOORS

www.velmuruganpaverblock.com

ABOUT US

Vel Murugan Pavers wish to introduce ourselves as the manufacturer of interlocking paver blocks. We Velmurugan Paver Blocks proprietor concern was formed in the year 2015. The factory is situated at Thirumullaivoyal.

In all pattern Shot Blast & Normal Pavers Available

OUR PRODUCT RANGE

Normal Paver

Shot Blasted Paver

Grass Paver

Kerb Stone

Precast Readymade Compound Wall

SQUARE PAVER

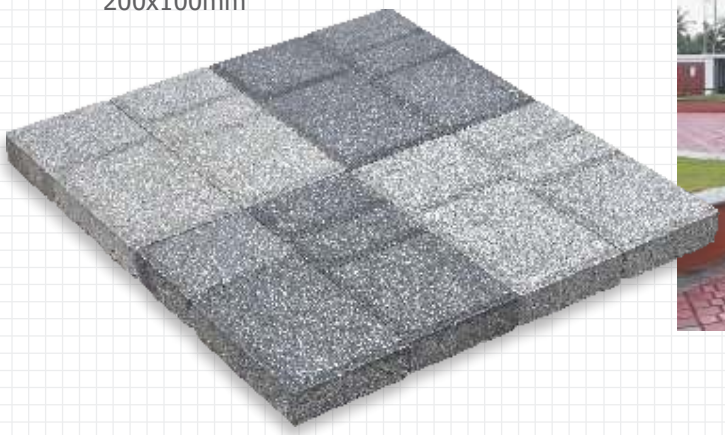
Thickness : 60 & 70mm
Sizes : 400x400mm

COMBO PAVER - Four Pattern

Thickness : 65mm
Sizes : 200x275mm
200x225mm
200x175mm
200x125mm

COMBO PAVER - Five Pattern

Thickness : 65mm
Sizes : 200x275mm, 200x225mm
200x175mm, 200x125mm
200x100mm



COMBO PAVER - Nine Pattern

Thickness : 65mm
Sizes : 181x121mm, 121x121mm
61x121mm

RECTANGULAR PAVER

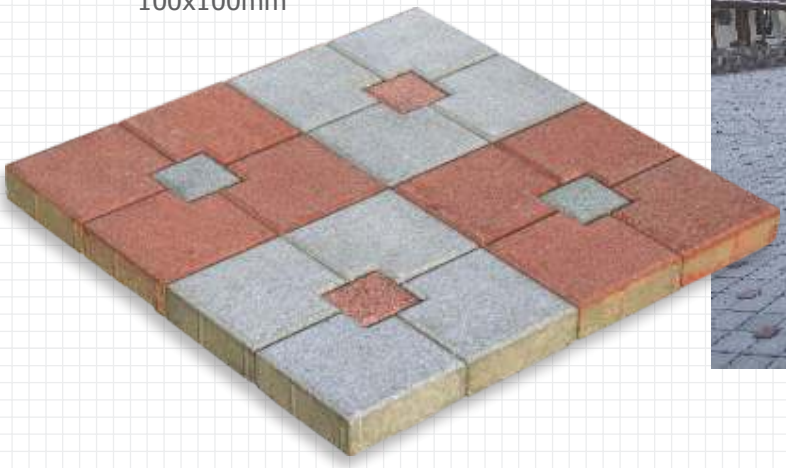
Thickness : 60mm
Sizes : 400x200mm

SQUARE PAVER

Thickness : 70mm
Sizes : 200x200mm

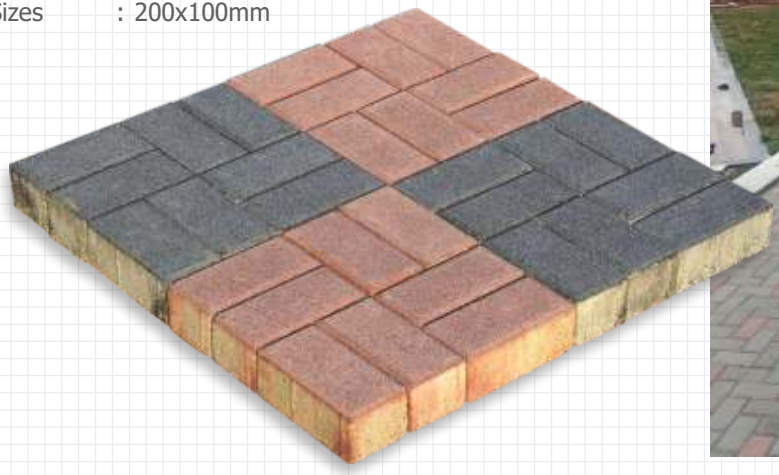
COMBO PAVER

Thickness : 60mm
Sizes : 200x200mm
100x100mm



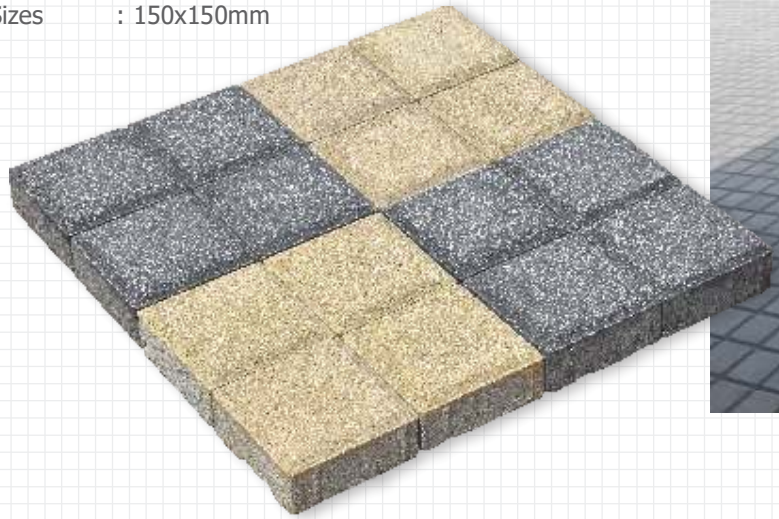
BRICK PAVER

Thickness : 60 & 80mm
Sizes : 200x100mm



SQUARE PAVER

Thickness : 60mm
Sizes : 150x150mm



SQUARE PAVER

Thickness : 60 & 70mm
Sizes : 100x100mm

I PAVER

Thickness : 60 & 80mm
Sizes : 163x198mm

UNI REGULAR PAVER

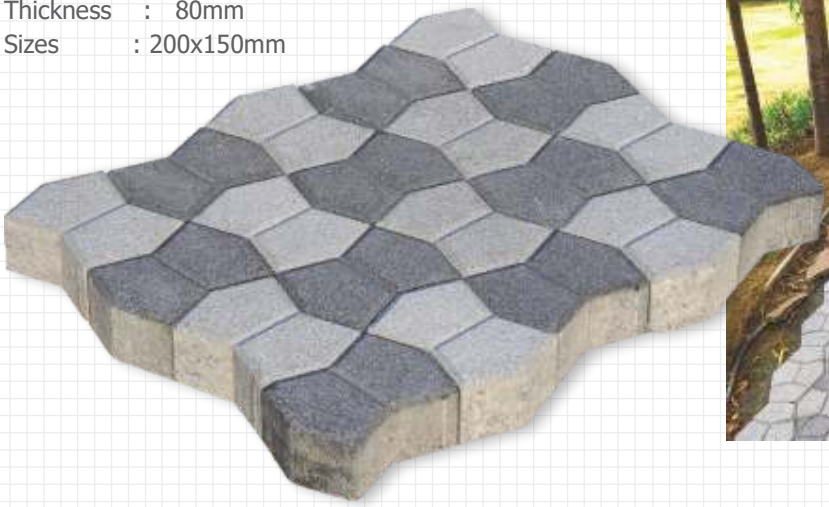
Thickness : 60, 80, 100 & 120mm
Sizes : 225x112.5mm

S PAVER

Thickness : 80mm
Sizes : 188.5x103mm

H PAVER

Thickness : 80mm
Sizes : 200x150mm

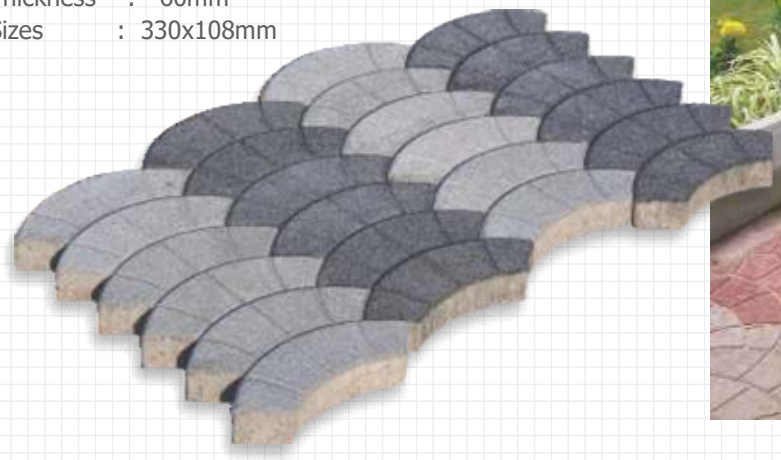


HEXAGON SMALL PAVER

Thickness : 80mm
Sizes : 240x121.5mm

ARCH PAVER

Thickness : 60mm
Sizes : 330x108mm



PENCIL PAVER

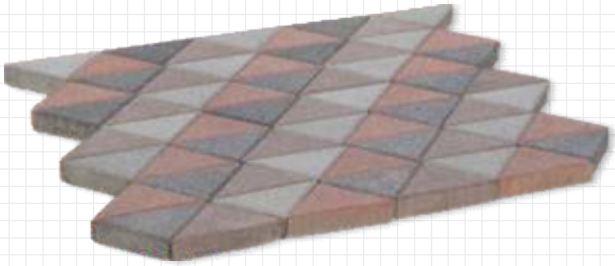
Thickness : 60mm
Sizes : 230x60mm

HEXAGON

Thickness : 60mm
Sizes : 234x203mm

TRIANGLE PAVER

Thickness : 60mm
Sizes : 198.5x198.5x1/2

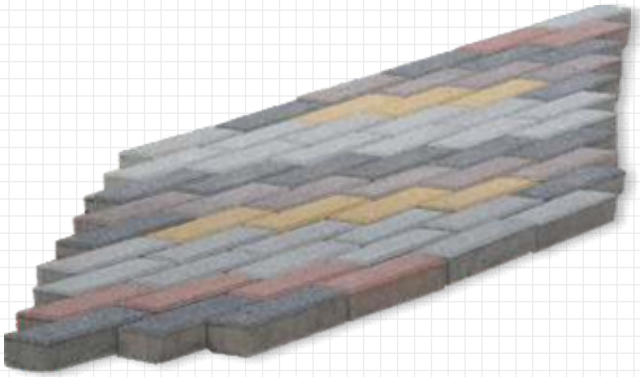


VJETRA PAVER

Thickness : 60 & 80mm
Sizes : 300×300

PARALLELOGRAM PAVER

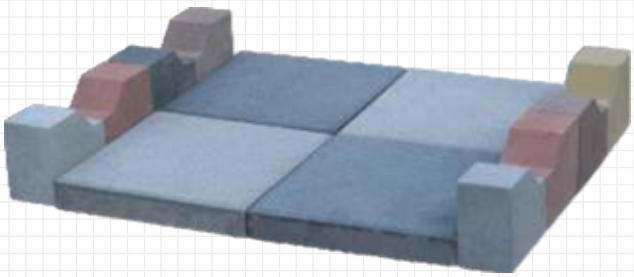
Thickness : 60mm
Sizes : 250x60mm

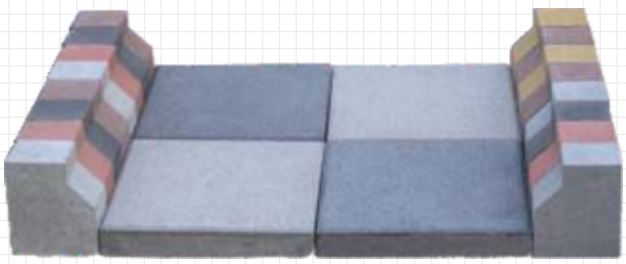


PARALLELOGRAM ROCK DESING PAVER

GARDEN EDGE

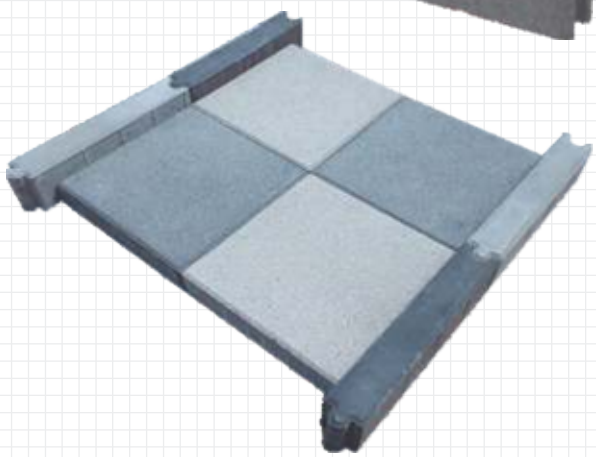
Thickness : 100mm
Sizes : 190x160mm





INTERLOCKING KERB

Thickness : 100mm
Sizes : 477.5x83mm



ECOLOC PAVER

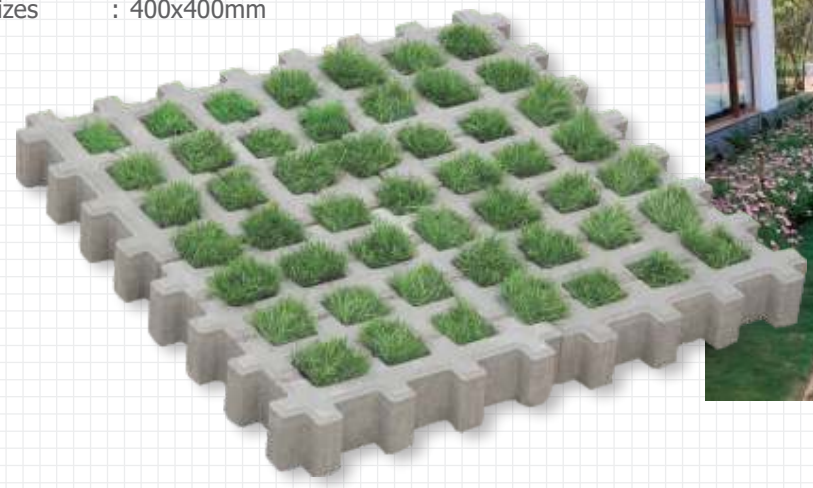
Thickness : 80mm
Sizes : 225x168.75mm

ART LINE GRASS PAVER

Thickness : 120mm
Sizes : 300x300mm

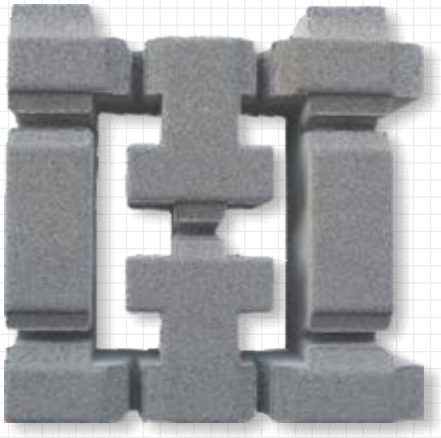
GRASS PAVER

Thickness : 80mm
Sizes : 400x400mm



GRASS PAVER

Thickness : 120mm
Sizes : 332x330mm



SQUARE GRASS PAVER

Thickness : 60mm
Sizes : 200x200mm

TEXTURE GRASS PAVER

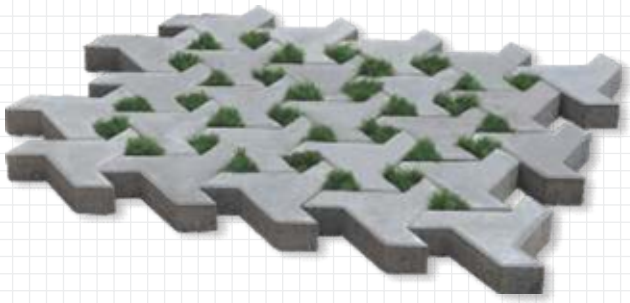
Thickness : 60mm
Sizes : 400x400mm

GRASS PAVER

Thickness : 80mm
Sizes : 450x300mm

VJETRA GRASS PAVER

Thickness : 60&80mm
Sizes : 300x300mm



KERBSTONE

FULL BATTER KERB

Thickness : 100mm
Sizes : 300x300mm

FULL BATTER KERB

Thickness : 100mm
Sizes : 450x300mm

FULL BATTER KERB

Thickness : 150mm
Sizes : 450x300mm

FULL BATTER KERB

Thickness : 125mm
Sizes : 450x450mm

FLASH KERB

Thickness : 100mm
Sizes : 300x300mm

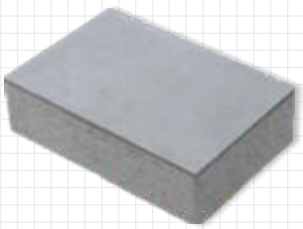
FLASH KERB

Thickness : 100mm
Sizes : 450x300mm

FLASH KERB

Thickness : 125mm
Sizes : 450x300mm

FLASH KERB



Thickness : 150mm
Sizes : 450x300mm

HALF BATTER KERB

Thickness : 125mm
Sizes : 450x300mm

DESIGNER KERB

Thickness : 100mm
Sizes : 450x300mm

SAUCER DRAIN

Thickness : 100mm & 125mm
Sizes : 450x300mm

COMPARISON

FEATURES	PAVER BLOCKS	REINFORCED CEMENT CONCRETE (R.C.C.)	BITUMEN (ASPHALT)
Life Expectancy	>20 years	>20 years	5-10 years (with frequent resurfacing)
Initial Cost	Medium	High	Low
Construction Time	Medium as pavers are laid manually. After construction immediate use is possible.	Very High as after construction 15-20 days required for curing	Low. After construction, use possible within 1-2days.
Rainwater Drainage	Permeable Pavers allow water to pass through to the base there by reduce pooling or flooding in heavy rain	Surface is impermeable and drainage must be achieved by proper surface camber and slope.	Surface is impermeable and drainage must be achieved by proper surface camber and slope.
Safety	Good slip and skid resistance, helps reduce braking distances.	Prone to slippage and skidding during rain and due to spills.	Good traction and skid resistance.
Surface Cracks	Not affected by rainwater or thermal heat of expansion (due to small unit size and mass).	Prone to cracks due to large thermal mass (which requires provision of expansion joints) and due to poor base preparation.	Heavy rains, extreme temperatures and wear and tear result in cracks and rutting leading to potholes.
Repairs	Easy, fast, and inexpensive as even a single paver block can be removed, and re-laid/ replaced. Repaired area is available for immediate use.	Difficult, time consuming and expensive as whole concrete slab may have to be replaced and re-cast.	Cracks, potholes can be repaired inexpensively and quickly by patch work. But repaired area is often not durable due to poor work quality.
Reuse	Same blocks can be removed and reinstated afterrepairs.	Cannot be reused but can be crushed for recycling.	Cannot be reused but can be crushed for recycling.
Quality	Factory produced in large volumes to meet stringent specifications and Indian Standards for strength, water absorption, abrasion resistance and dimensional tolerances.	Cast at site and hence dependant on quality of concrete and compaction at the site.	Since asphalt is a flexible pavement, its strength relies heavily on the sub grade, subbase and base materials being well compacted and the right material.
Environmental Issues	Paver block usage has no harmful effects on the environment.	Concrete pavement construction has no harmful effects on the environment.	Process of melting bitumen creates green house gases that contribute to environmental pollution.

Criteria	WET CAST (RUBBER/PVC MOULDED) PAVER BLOCKS	VIBRO/HERMETIC PRESS (STEEL MOULDED) PAVER BLOCKS
Mfg. Process Description	Usually completely manual process. Each individual paver block mould made of rubber/pvc is manually filled with wet concrete, passed over a simple vibrating table and left to cure in the mould for one day. Next day, each paver block is removed from its mould and after further curing, a lacquer coat may be applied.	Usually fully automatic production process. Starts with weigh batching of aggregates and cement for mixing, then automated filling of concrete in steel moulds on the Vibro Press with compaction under hydraulic pressure and synchronized vibration, followed by movement to curing, packing, storage and truck loading.
Where Used	Mainly for Non/Light traffic areas for pedestrians, parking lots or residential driveways; typically, small projects of area1500-2000sq.m.	High wearing areas and for long durable finish e.g. roads, ports, etc. Large projects can be easily and conveniently executed due to larger capacities of automated plants.
Quality consistency	Poor consistency in product , with high variation in finish, sizes, and densities /strengths due to manual production process.	Much better consistency owing to use of automatic machines for production.

Criteria	WET CAST (RUBBER/PVC MOULDED) PAVER BLOCKS	VIBRO/HERMETIC PRESS (STEEL MOULDED) PAVER BLOCKS
Production quantity	Daily production output is limited by availability of labour, moulds and space for drying of material, weather conditions etc. Usually less than 400-500sq.m.per day.	Daily production output significantly less dependent on external factors such as labour, moulds or space availability. Results in higher reliability of output, with large plants capable of producing up to 1500-2000sq.m. per day.
Looks	Better looks initially and dark colours are obtained	Looks very consistent over years of usage
Process Reliability	Low reliability of process-Shade, strength, and dimensional variation likely to be more	Reliable process - Lowest variations in product .
Slip Skid Resistance	Lower	Higher
Durability	Lower durability of surface finish	Fair durability of surface finish

#	NATURAL GRANITE / KOTA STONE	CEMENT CONCRETE FLAG STONE
1	Granite/Kota Stones are slippery, particularly under wet conditions. Kota Stones are also uneven.	Concrete Flag Stones are uniform, have an even surface and are non-slippery under wet conditions.
2	Kota Stone is available only in one colour, i.e. greenish colour. Granite is available in various colours depending on its origin and hence with significant variation in cost.	Concrete Flag Stones can be manufactured in various colours like Dark Grey, Red, Yellow, Brown, as per choice. In fact, internationally, Concrete Flag Stones are used with different colours for superior aesthetics.
3	Granite/Kota Stones are mined naturally and hence there is no uniformity or consistency in their colours and shades.	Since Concrete Flag Stones are coloured by adding colour pigments to the concrete mix, there is uniformity in their colours and shades.
4	Granite/Kota Stones are brittle which results in cracks due to heavy moving loads or if heavy items fall on them. Besides, they cannot be obtained in high thicknesses.	Concrete Flag Stones are produced with high uniform density in a Vacuum Wet Press resulting in high strength and are unlikely to crack even under heavy loads. Besides, they can be produced up to 80mm thickness for heavy duty applications.
5	Granite and Kota Stones are mined products, mostly it in forest areas. Thus, it is not environmentally friendly.	Concrete Flag Stone is environmentally friendly, as mine waste like quarry dust and stone aggregates are mixed with cement to produce a useful product.
6	Kota Stones need to be edge- cut before installation resulting in a lot of debris which need to be disposed at the site.	Concrete Flag Stones are moulded and finished in a Vacuum Wet Press with great dimensional accuracy. They require no cutting or any resulting debris.
7	Kota Stones need to be polished after installation, which requires skill and is very time consuming. This requires longer construction time and usually results in delays. In addition to this, a lot of waste sludge is formed during polishing which needs to be disposed off at site, creating further difficulties.	Concrete Flag Stones are precast pre-finished products which do not need polishing. Installation is very quick resulting in faster work completion and better finishing schedules without problems of sludge disposal.
8	Granite/Kota Stones are available in limited geographies and need to be transported to various locations from there resulting in substantial transportation costs.	Concrete Flag Stones are produced all over India, such as Delhi, Mumbai, Bangalore, Hyderabad, etc. and can be delivered to various locations at lower costs.

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