

INNOVATIVE Engineering Solutions

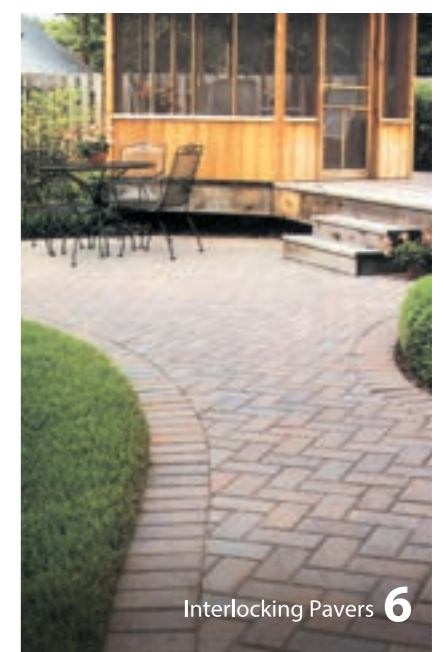
Curbstones - Interlocks - Concrete Units



Concrete Units

Mold manufactures can create straight-forward or unusual shapes. Manufactures can offer helpful advice on how to achieve difficult architectural shapes for barriers and other structures.

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Curbstones

Curbstones are pre-cast concrete units of different uniform shapes.

Application:

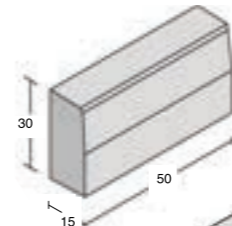
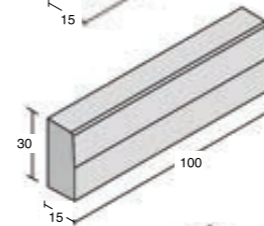
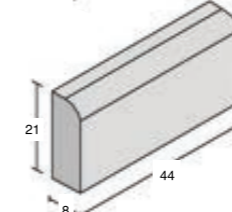
- Side walks.
- Landscape.

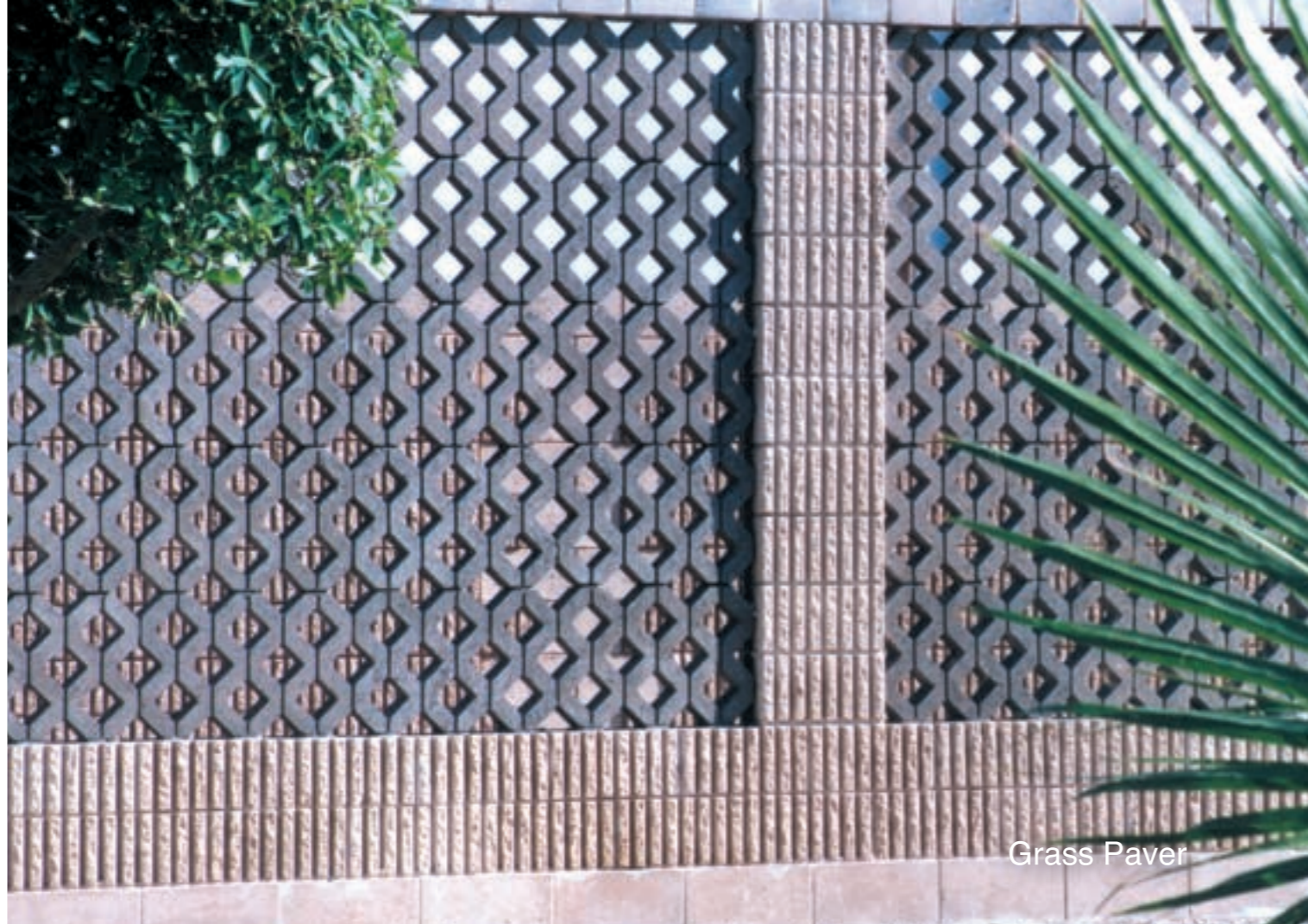
Advantages:

- Give a formal and finished look to the road.
- Higher compressive strength.
- Resistance to deterioration from long-term exposure to the elements.

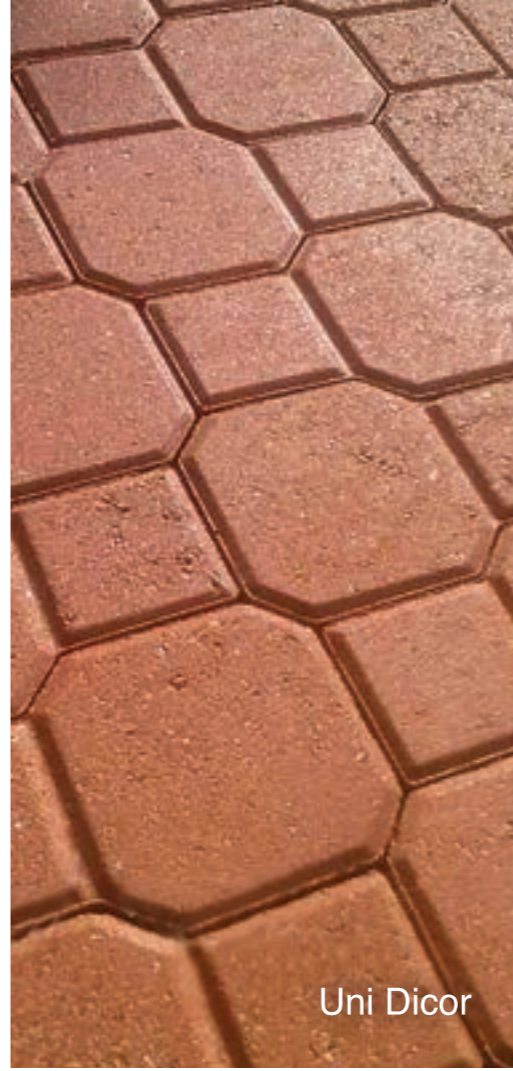
Colors are available upon request.

Curbstones Technical Information

NAME	Width (Cm)	Length (Cm)	Height (Cm)	Unit (Cm)	Weight (Kg)	Compressive Strength (Kg/Cm ²)
Medium Street Curbstones 	15/12	50	30	piece	44.25	150
Street Curbstones 	15/12	100	30	piece	96.5	150
Garden Curbstones 	8	44	21	piece	31	150



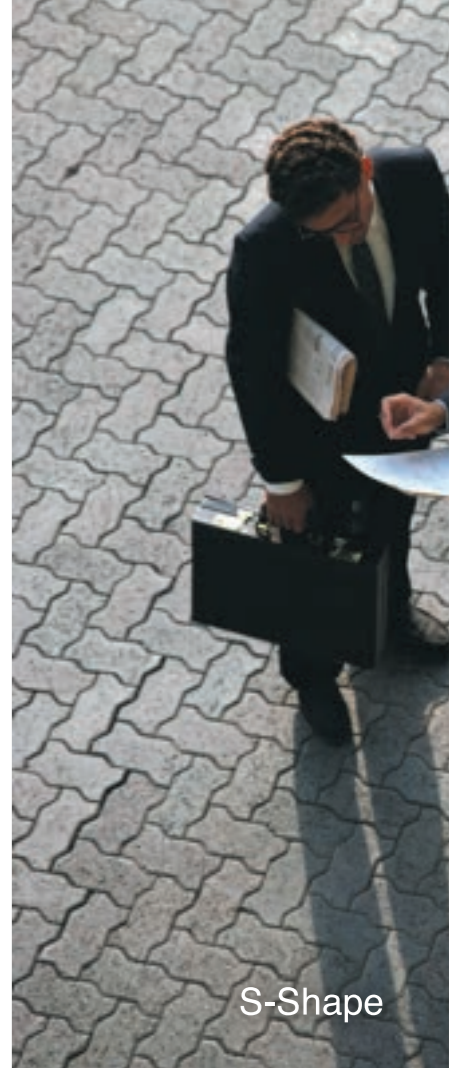
Grass Paver



Uni Dicor



I-Shape



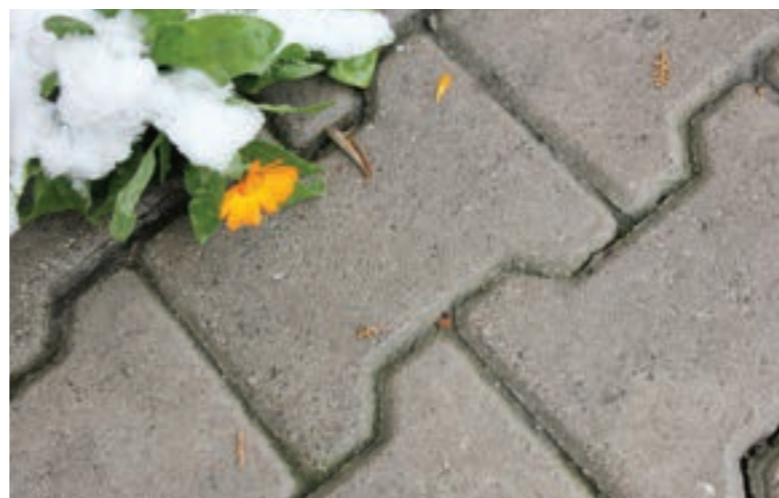
S-Shape



Old Fashion



Grass Paver



Rectangular



Hexagonal

Interlocking Pavers

Samcrete Building Systems Interlocks are designed to be connected easily and have the widest selection to express any style and suit various tastes.

Application:

- Side-Walks.
- Pool Deck and Platforms.
- Landscape.
- Commercial Complexes.
- Residential Communities.
- Industrial Zones.

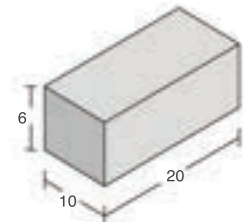
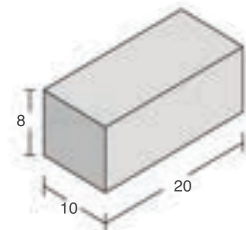
Advantages:

- A large variety of paving styles.
- Diversity of color possibilities.
- Create your own design.
- Low cost, low maintenance.
- High Durability.
- No Cracking.
- 3 times stronger than poured concrete.
- Fast Installation.



Rectangular

Technical Information

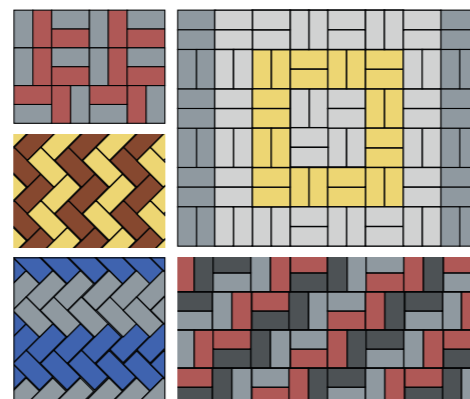


Width (Cm)	Length (Cm)	Thickness (Cm)	Weight / Piece (Kg)	Compressive Strength (Kg/Cm ²)	No. Of Units/M ²
10	20	8	3.6	250	50
			2.61	250	
		6	2.66	350	
			2.66	450	
			2.68	550	

The rectangular paving blocks have a fast paving process and the most popular shape. It comes with many beautiful patterns and different colors.

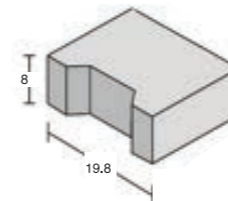
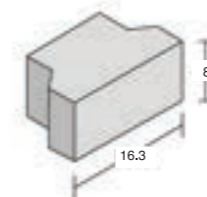
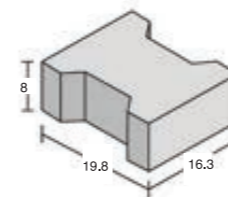
They are used in all locations and are available with thickness of 6 cm for normal traffic loads and of 8 cm for heavy traffic loads.

The blocks come with spacers & chamfered outline to provide more strength and consistency.



I-Shape

Technical Information

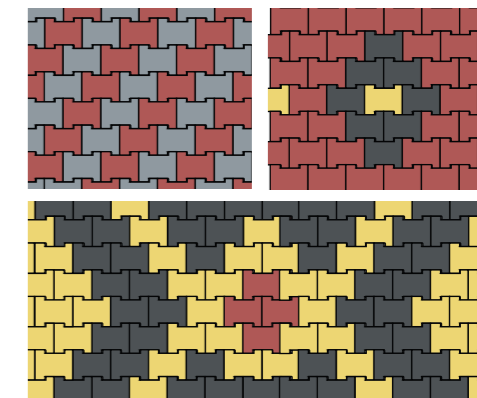


Web Length (Cm)	Flange Length (Cm)	Thickness (Cm)	Weight / Piece (Kg)	Compressive Strength (Kg/Cm ²)	No. Of Units/M ²
19.8	16.3	8	4.58	250	37
			4.67	350	
			4.70	450	
			4.99	550	

This form is considered the most common and popular shape. It has strong consistency because of the interconnection between the blocks which makes it suitable for traffic roads, squares, warehouses, ports platforms, and airports.

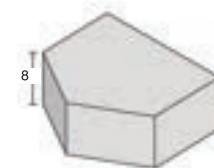
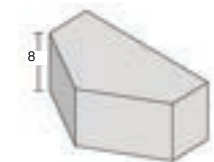
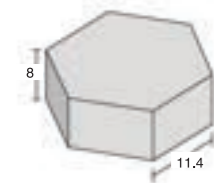
In addition to that, the availability of the spacers and the chamfered perimeter increases the friction force and the consistency between the blocks and gives them a better stability.

A variety of beautiful designs can be achieved in paving especially when using different colors.



Hexagonal

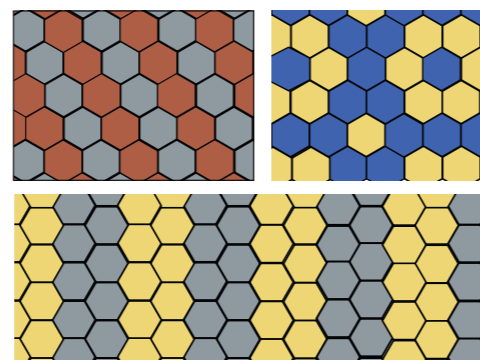
Technical Information



Side Length (Cm)	Diagonal Length (Cm)	Thickness (Cm)	Weight/ Piece (Kg)	Compressive Strength (Kg/Cm ²)	No. Of Units/M ²
11.4	22.75	8	5.76	250	29.3
			5.85	350	
			6.03	450	
			6.17	550	

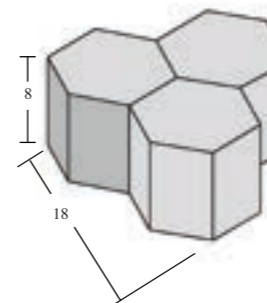
This type is very well known with its simple shape and with the beautiful patterns it can form especially when used with good choice of colors.

It has high consistency due to the great entangling of the block perimeter.



Delta

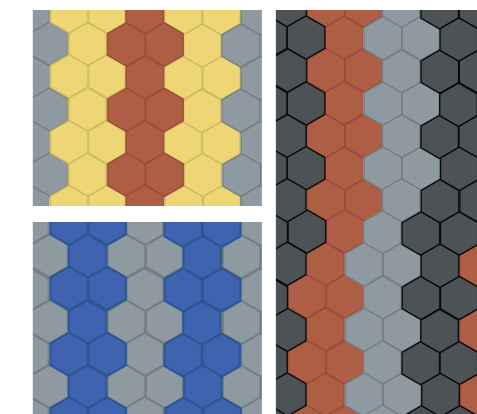
Technical Information

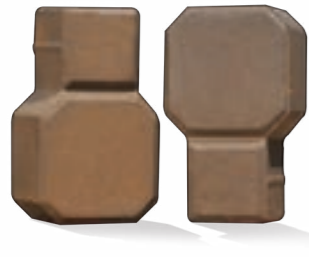


Width (Cm)	Length (Cm)	Thickness (Cm)	Weight/ Piece (Kg)	Compressive Strength (Kg/Cm ²)	No. Of Units/M ²
17.8	18	8	3.5	250	52.16

The triple configuration of the blocks provides the designer with an array of choices to create a stunning paving design using curves and circles formation.

It is also used for decorative purposes as the spaces found among pavers allow planting turfs which gives an artistic look.

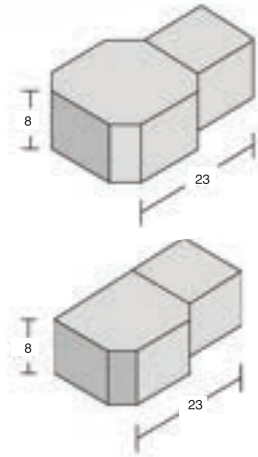




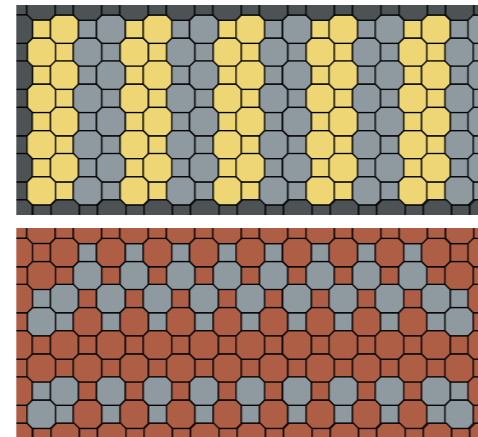
Uni Dicor

Technical Information

Width (Cm)	Length (Cm)	Thickness (Cm)	Weight/ Piece (Kg)	Compressive Strength (Kg/Cm ²)	No. Of Units/M ²
14	23	8	4.50	250	39.53



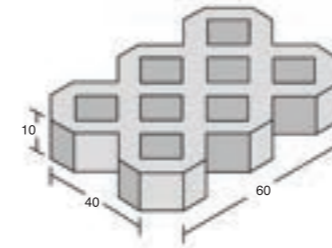
This type of pavers suits large spaces like parks, gardens and residential projects due to its ability to form beautiful artistic shapes.



Grass Paver

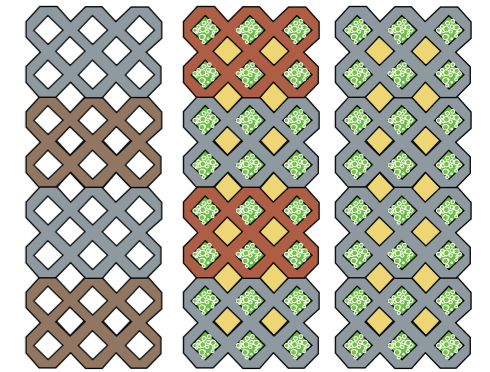
Technical Information

Width (Cm)	Length (Cm)	Thickness (Cm)	Weight / Piece (Kg)	Compressive Strength (Kg/Cm ²)	No. Of Units/M ²
40	60	10	31	250	4.167



This type of pavers is characterized by having affordable prices with easiness in installation, hence it is always recommended for parking lots and inclined sides of bridges and cliffs. It also matches other types of pavers to create more beautiful patterns.

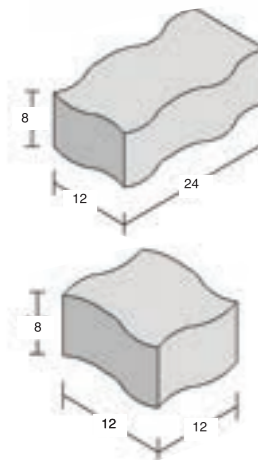
Additionally, it has void cells allowing planting of grass.



S-Shape

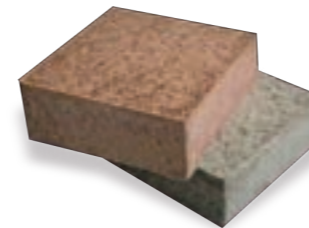
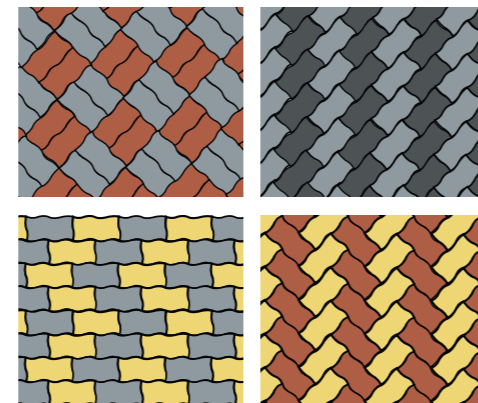
Technical Information

Width (Cm)	Length (Cm)	Thickness (Cm)	Weight/ Piece (Kg)	Compressive Strength (Kg/Cm ²)	No. Of Units/M ²
12	24	8	4.93	250	35.46



This type of pavers is well known with its beautiful classical patterns. It is commonly used in the main squares, gas stations, domestic and residential roads.

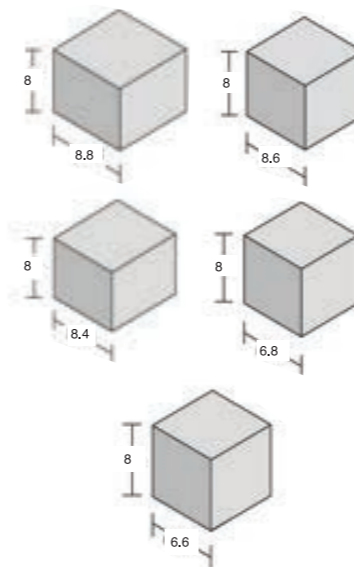
It is characterized by its high consistency ensuring stronger pavement and optimal distribution for loads resulting from heavy traffic.



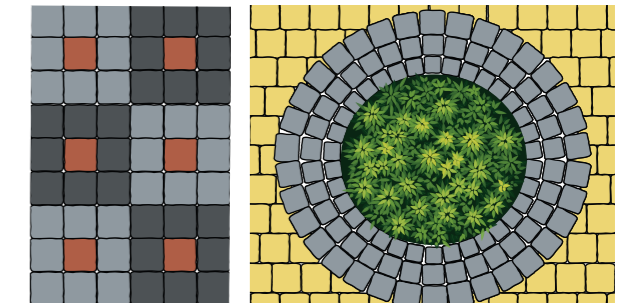
Old Fashion

Technical Information

Width (Cm)	Length (Cm)	Thickness (Cm)	Weight/ Piece (Kg)	Compressive Strength (Kg/Cm ²)	No. Of Units/M ²
variable		8	1.16	250	126



Its authentic designs will help in forming old type paving patterns.





Interlocking Retainers

Retaining wall blocks are produced in a variety of colors, sizes, shapes, styles and configurations and provide a wide choice of artistically wall textures and appearances.

Application:

- Landscaping Solutions.
- Structural Retaining Walls.

Advantages:

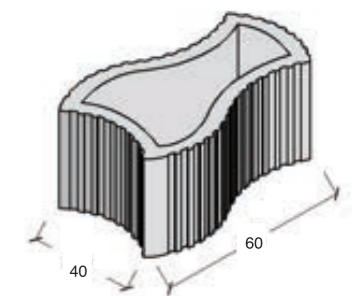
- Wall Units are Flexible in Design.
- Highly Attractive.
- Easily Repaired.
- Low Maintenance.



Gardenia

Technical Information

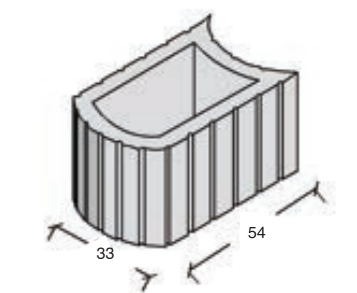
Width (Cm)	Length (Cm)	Height (Cm)	Unit (Cm)	Weight (Kg)
40/30	60	30	piece	54.4



Samcrete

Technical Information

Width (Cm)	Length (Cm)	Height (Cm)	Unit (Cm)	Weight (Kg)
33	54	30	piece	45.2



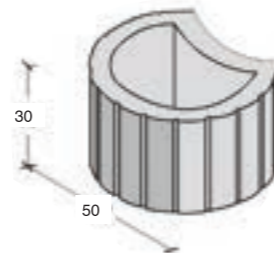


Flora

Technical Information

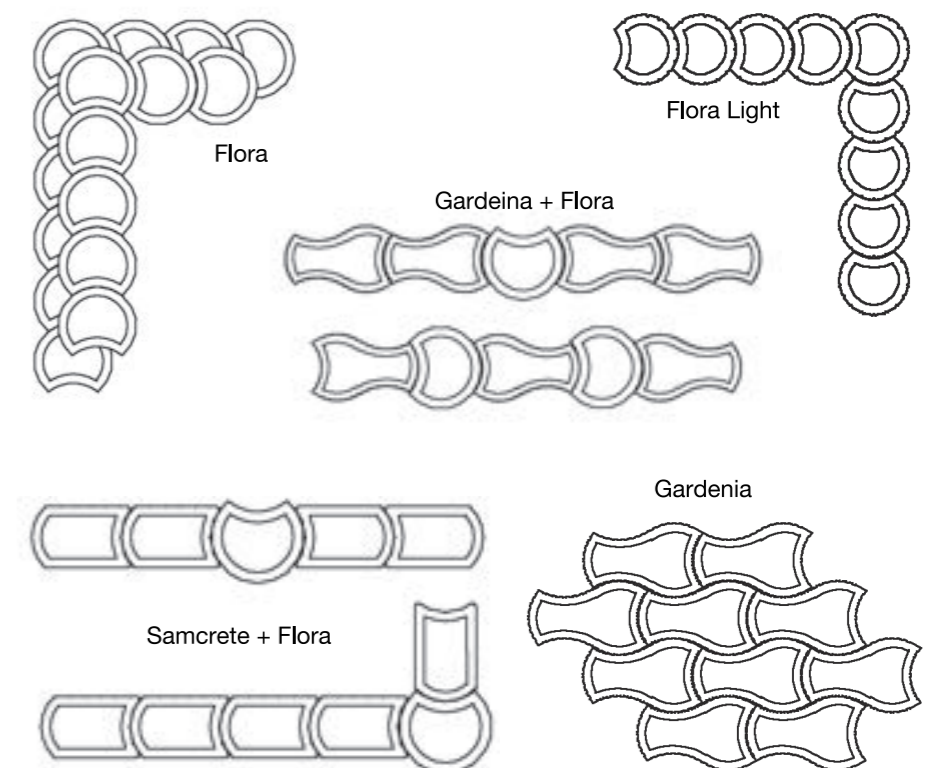


Diameter (Cm)	Height (Cm)	Unit (Cm)	Weight (Kg)
50	30	piece	49.1



Patterns of Installation

The special (head & tail) form helps modeling and formation of this type of blocks to cover various types and design purposes for landscape solutions and retaining walls with different and multiple levels.

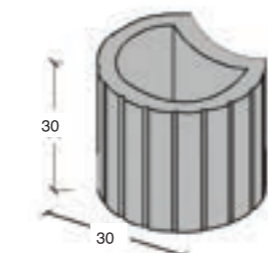


Flora Light

Technical Information



Diameter (Cm)	Height (Cm)	Unit (Cm)	Weight (Kg)
30	30	piece	20.7





Fence Footing and Columns

Form and mold manufactures can use their skills to create straight-forward or unusual shapes. Manufactures can offer helpful advice on how to achieve difficult architectural shapes for barriers and other structures.

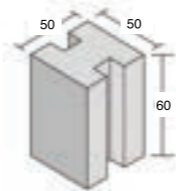
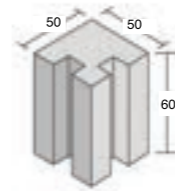
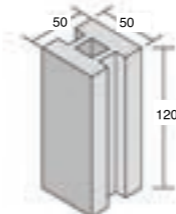
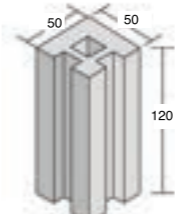
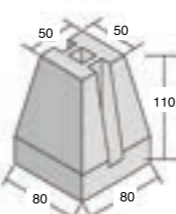
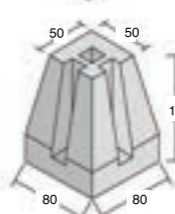
Application:

- Fence Footing.
- Road Barriers.
- Others.

Advantages:

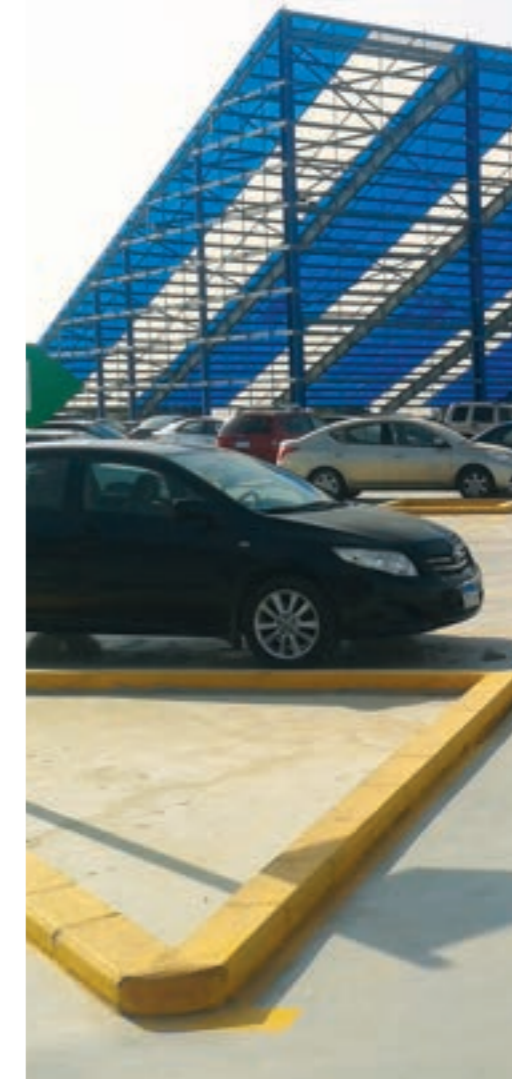
- Mold ability which allows a wide range of surface finishing, colors and special shapes.
- High durability.
- Low maintenance.
- High quality due to the controlled conditions in the factory.
- Fire resistance.
- High insulation of thermal and sound.

Fence Footing and Columns Technical Information

NAME	Width (Cm)	Length (Cm)	Height (Cm)	Unit (Cm)	Weight (Kg)
 	50	50	60	piece	320
 	50	50	120	piece	640
 	80	80	110	piece	1075
Intermediate Unit					
Corner Unit					



Mall of Arabia



Carrefour - Al Sheroq City

Projects

- Cairo International Airport.
- Gyanaklis Airport, Alexandria.
- Smart Village, Abu Rawash.
- Crystal Asfour Factory in kalyoubya.
- Industrial Zone "e2" in 6th of October City.
- Marassi, North Coast.
- Wadi El-Natroun Prison at Cairo-Alex Desert road.
- Al-Asmarat District in Kattameya.
- Pyramids Heights Project at Cairo/Alexandria desert road.
- Olympic Village at New Cairo City.
- Port Saied Port.
- Gardenia Springs Residential Compound.



Gardenia Springs



Pyramids Heights

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