



TECHNO-CRETE

The Engineering Concrete Products Co.

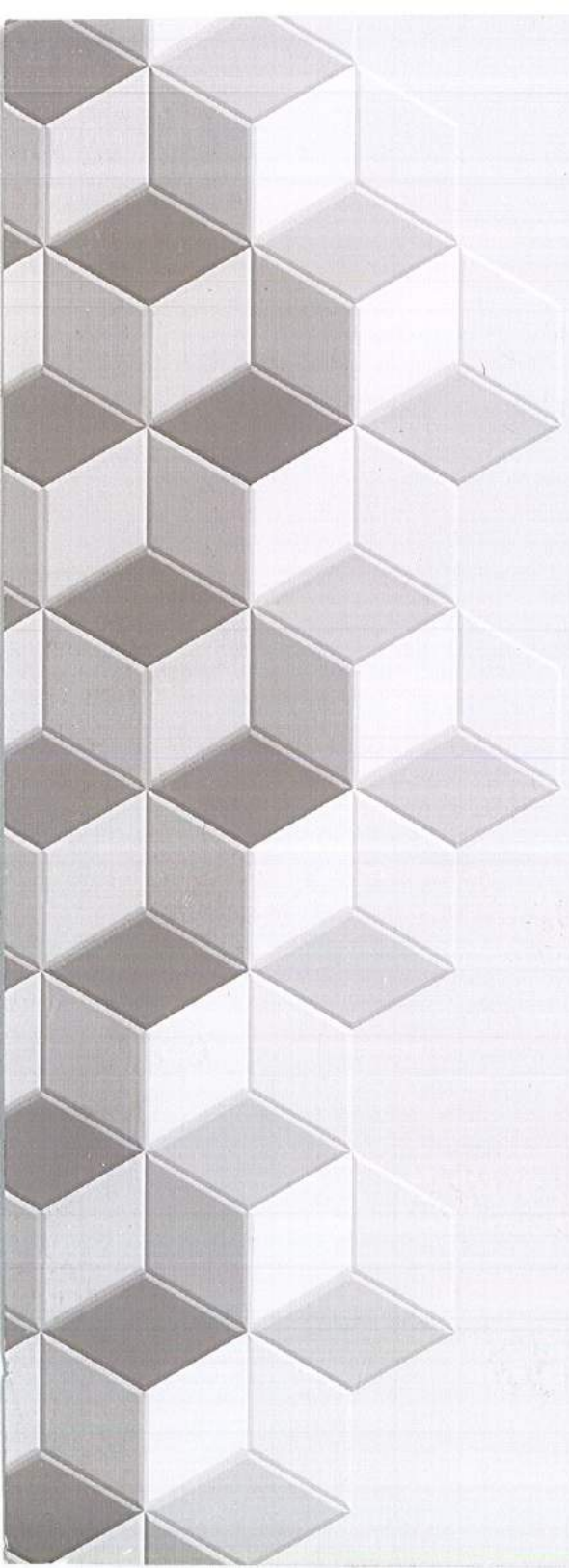


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OSMAN GROUP

www.osman.net



C o n c r e t e P a v e r s

Our mission as a business organization is to serve a wide sector of the corporate and government businesses, specifically in the Middle East, as well as the global community. We provide a wide range of products and services that include construction, building materials, gypsum products, insulation products, agriculture, information technology, and trading. We aim to achieve the maximum satisfaction of our customers by providing them with cutting edge technologies tailored to meet their goals, while strictly abiding to health, safety, and environmental standards.

Techno-crete

**With the
experience**
of producing over one billion
concrete pavers
WE KNOW
how to create a masterpiece



About Techno-crete

OUR COMPANY

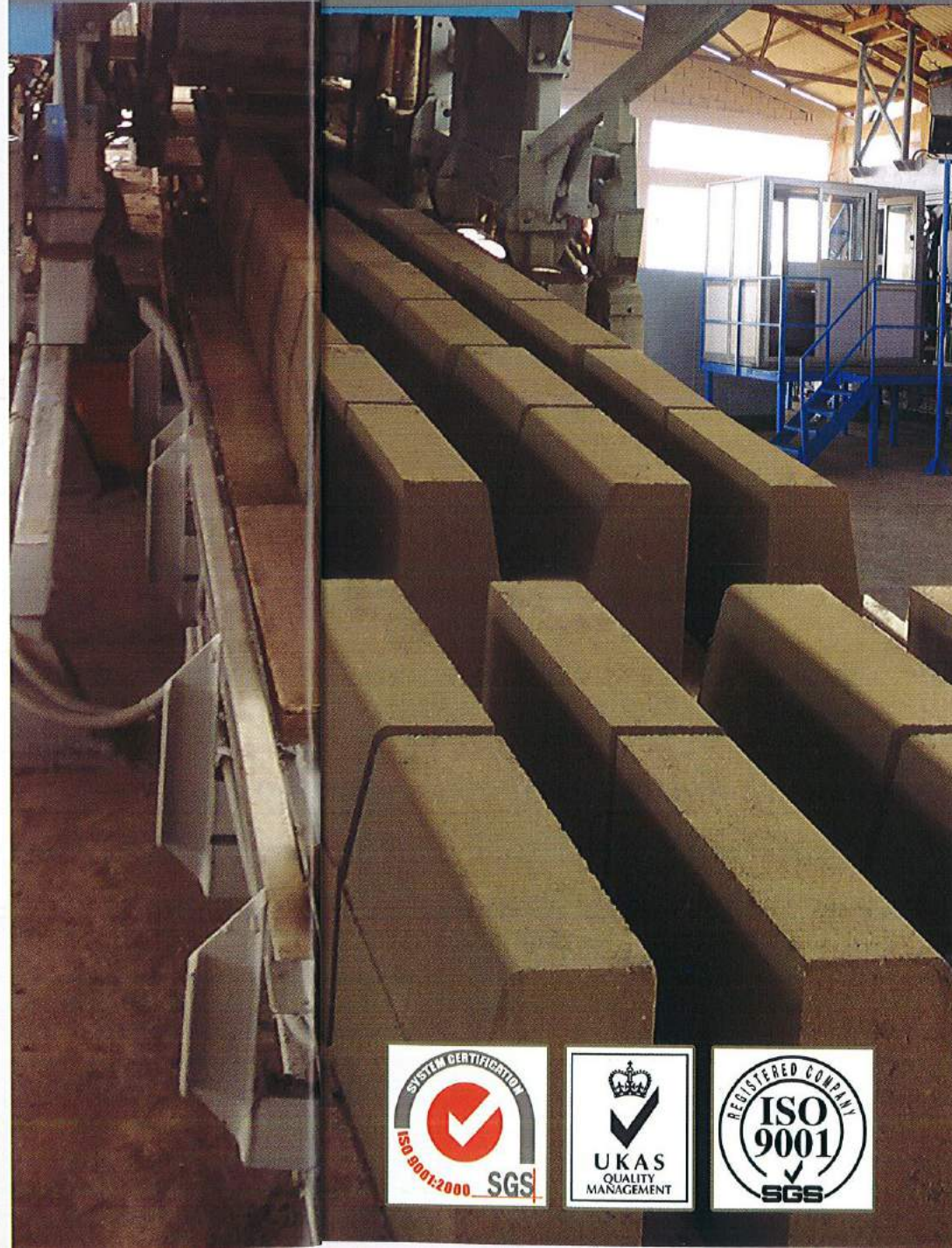
The Engineering Concrete Products Co. (Techno-crete) is one of the Osman Group (OG) companies. OG consists of 20 companies operating in different fields. TC is the market leader in producing high quality concrete pavers, curbstones, hollow blocks, solid bricks, manholes and inspection chambers in addition to decorative fountains.

HISTORY

Techno-Crete was founded in 1977, as a manufacturer of interlocking concrete pavers in our Haram Factory. Realizing the growth in demand for our products we opened our second factory in the 10th of Ramadan City in 1979. Again, in 1999 we expanded our production by opening our 3rd factory in Ismailia, with annual productivity of one million square meters of interlocking pavers. In our continuous effort to meet the market's needs, throughout the years, we have added new products to our production lines such as hollow blocks, solid blocks, new jersey, decorative fountains, manholes, and inspection chambers. The strategic distribution of our three factories enables us to sell our products across the whole nation.

QUALITY POLICY

All products comply with the Egyptian Standard Specifications (ES) and are manufactured to comply with American Society for Testing and Materials (ASTM) and British Standards (BS) upon customer's request. We use superior grade materials and maintain quality control through our own testing labs as well as independent certified labs. Our products are packaged to ensure safe handling, storage, and transportation. We utilize high-tech machinery and continuous employee training to increase performance levels.



Our Products

- **INTERLOCKING PAVERS**
Colors : Different colors
Stress : Up to 550 kg/cm²
Thickness : 6, 8, 10 cm
- **CURBS**
We have three shapes of curbs
Large (Aggaly), **Medium** & **Small** (Garden)
Colors : Grey, Red & Yellow
- **TECHNOTILE**
Mosaic tile - City black
Colors : Different Colors
- **CEMENT BLOCKS**
Hollow blocks - Solid bricks
Colors : Grey & Red
- **CONCRETE FURNITURE**
Fountains - Flower Pots
- **DECORATIVE SCREEN**
Colors : Grey & Red
- **MANHOLES & INSPECTION CHAMBERS**
- **WIRE ROPE SAFETY FENCE**

Interlocking Pavers

OUR PRODUCTS



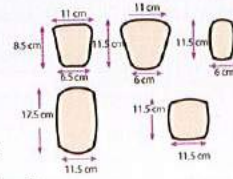
Classico

Unit : m²

Weight: 130 kg/m²

Pavers : Circle - 96 units/m²

Straight - 54 units/m²

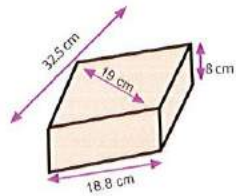


Rhombus

Unit : m²

Weight: 170 kg/m²

Pavers : 30 units/m²

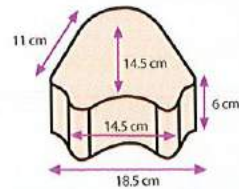


Crocus

Unit : m²

Weight: 130 kg/m²

Pavers : 46 units/m²



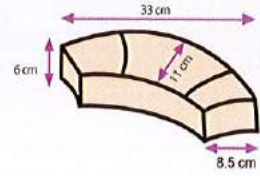
Interlocking Pavers

OUR PRODUCTS



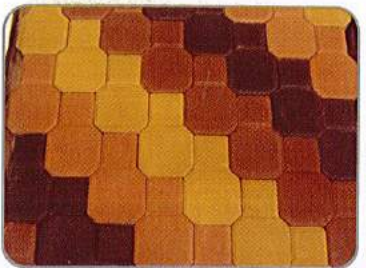
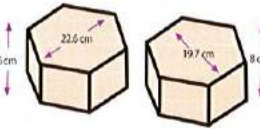
Otaka

Unit : m²
Weight: 130 kg/m²
Pavers : 36 units/m²



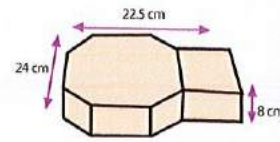
Hexagonal

Unit : m²
Weight: 130 kg/m² (6 cm)
170 kg/m² (8 cm)
Pavers : 30 units/m²



Uni

Unit : m²
Weight: 170 kg/m²
Pavers : 40 units/m²



Interlocking Pavers

OUR PRODUCTS



Parquet

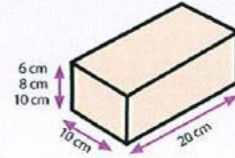
Unit : m²

Weight: 130 kg/m² (6 cm)

170 kg/m² (8 cm)

210 kg/m² (10 cm)

Pavers : 50 units/m²

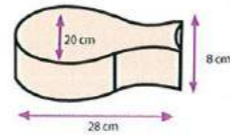


Flower

Unit : m²

Weight: 170 kg/m²

Pavers : 24 units/m²

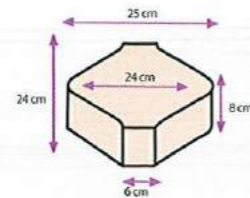


Nehal

Unit : m²

Weight: 170 kg/m²

Pavers : 25 units/m²



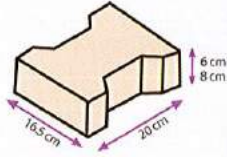
Interlocking Pavers

OUR PRODUCTS



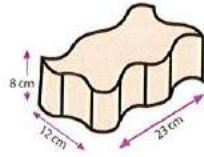
I Shape

Unit : m²
Weight: 130 kg/m² (6 cm)
170 kg/m² (8 cm)
Pavers : 36 units/m²



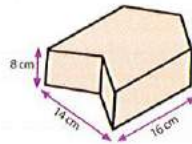
S Shape

Unit : m²
Weight: 170 kg/m²
Pavers : 36 units/m²



Arrow

Unit : m²
Weight: 170 kg/m²
Pavers : 42 units/m²



Smooth Interlocking Pavers

OUR PRODUCTS



Butterfly

Unit : m²
Weight: 115 kg/m²
Pavers : 37 units/m²



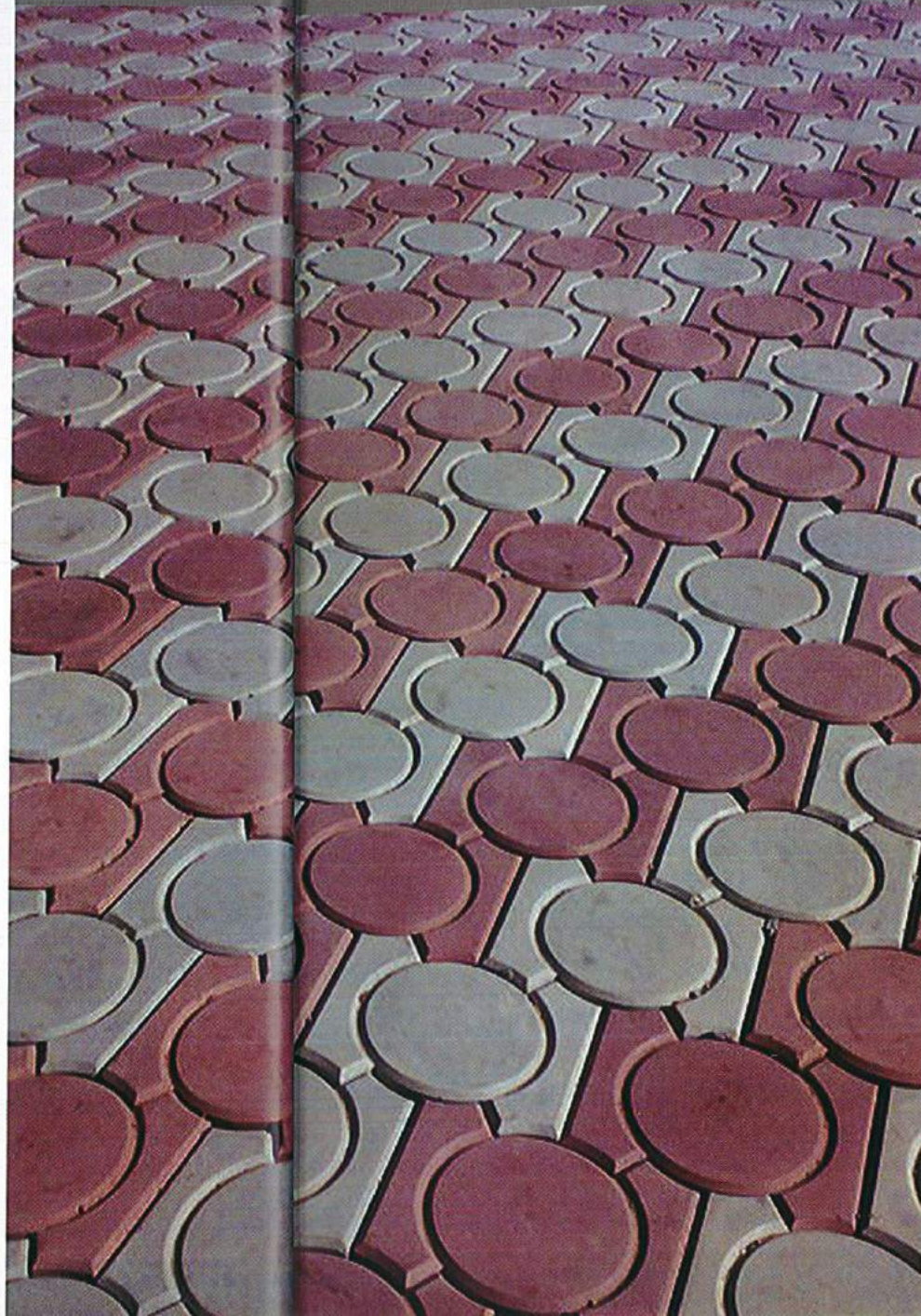
XO

Unit : m²
Weight: 95 kg/m²
Pavers : 18 units/m²



Parquet

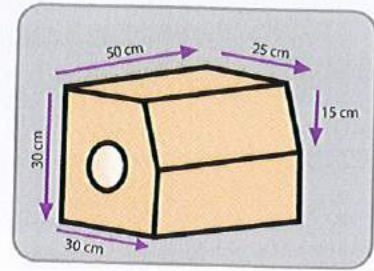
Unit : m²
Weight: 120 kg/m² (6 cm)
Pavers : 50 units/m²



Smooth

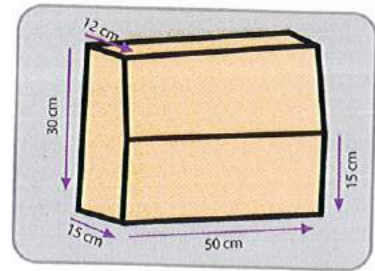
Interlocking Pavers

Smooth interlocking pavers are similar to the ordinary interlocking pavers but with a smooth surface with various fascinating colors and shapes. Installation and cleaning are easily done. They can be used in pavements, walkways, gardens, sporting clubs, and resorts.



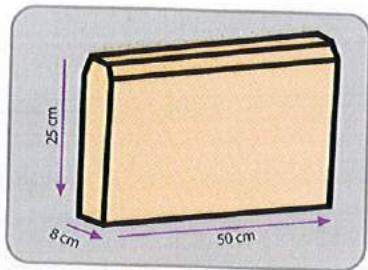
Large (Aggaly)

Weight: 170 kg/m³



Medium

Weight: 90 kg/m³



Small (Garden)

Weight: 40 kg/m³



All Cement Curbs

Are Hydraulically Pressed

Solid Or Semi-Hollow Curbs
Come In Various Shapes, Sizes
And Weights.

Cement Blocks OUR PRODUCTS

Hollow Blocks

Product Size (cm)	Web (mm)	Unit Weight (kg)
(25×20×40)	(40)	(27)
(20×20×40)	(35)	(21)
(12×20×40)	(35)	(17.5)
Density (kg/m ³)	Stress (N/mm ²)	Specifications
(1350)	(Up to 13 N/mm ²)	(ASTM - BS - ES)
(1312)		
(1820)		



Solid Bricks

Product Size (cm)	Unit Weight (kg)	
(6×12×25)	(3.6)	
Density (kg/m ³)	Stress (N/mm ²)	Specifications
(2000)	(Up to 21 N/mm ²)	(ASTM - BS - ES)



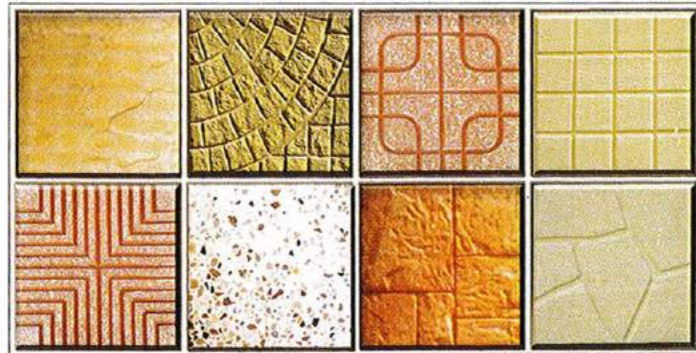
All Cement
Blocks
Are Hydraulically Pressed

City Black Tiles

One of the newest and most widely used flooring materials.

Tile Description

- Mosaico 30 X 30 X 3 cm
- Mosaico 40 X 40 X 5 cm
- City Black 35 X 35 X 3 cm
- City Black 40 X 40 X 3.5 cm
- City Black 50 X 50 X 5 cm
- City Black 40 X 40 X 2.5 cm



City Black Tiles



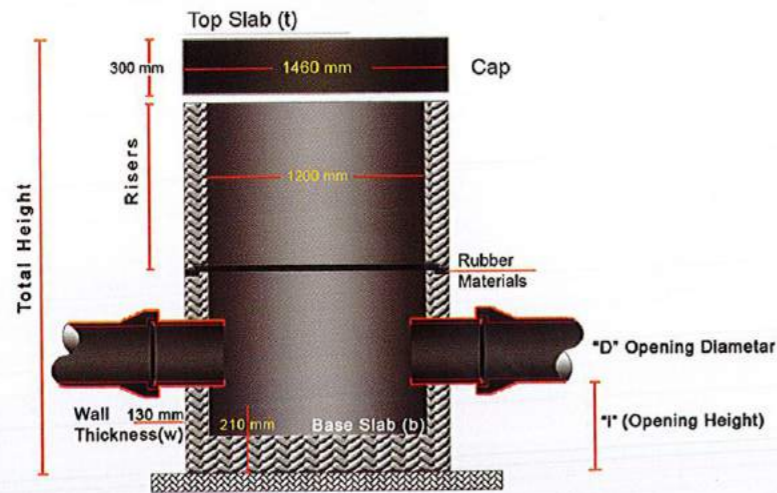
Manholes

OUR PRODUCTS

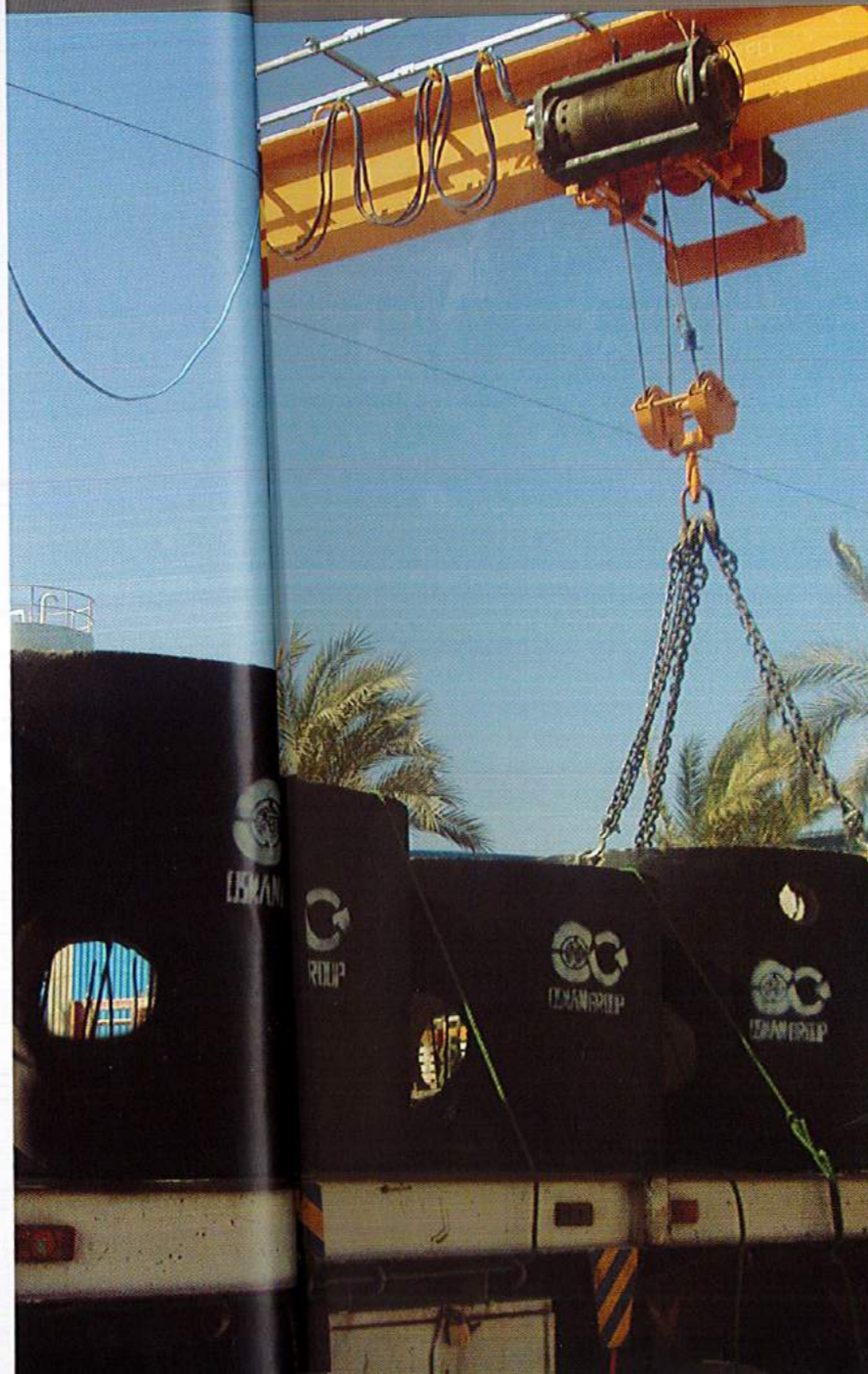
Precast Reinforced Concrete Circular Manholes (1200mm & 1500mm)

Technical Specifications

- The Manhole is designed and manufactured according to ASTM C478 and according to the Egyptian Code that is approved by the authority for sewage facility of greater Cairo.
- It is manufactured using sulphate resistant cement type (V) according to ASTM C150.
- Compressive strength is greater than 350 Kg /cm² after 28 days.
- The Manhole consists of :
 - Reinforced Concrete Base.
 - Reinforced Concrete Risers.
 - Reinforced Concrete Top Slab (Cap).



Int. Manhole	Diameter (mm)		Thickness (mm)			Risers. Height of Manhole Unit (mm)	Weight (ton)		
	Base Slab	Top Slab	Base Slab (t)	Top Slab (t)	Wall (w)		Base Slab	Top Slab	Riser (v.m.)
1200	1460	1460	210	300	130	300 - 600 - 900	0.88	1.25	1.35
1500	1820	1820	300	300	160	600 - 2000	1.95	1.95	2.08



Precast Reinforced Concrete Inspection Chambers

Used to provide access to underground utilities for electrical, telecommunications, fiber optics and gas, etc...

Dimensions are (600 x 600 mm) and (800 x 800 mm)

Note :

Different diameters and sizes can be produced upon request



Decorative Screen

OUR PRODUCTS

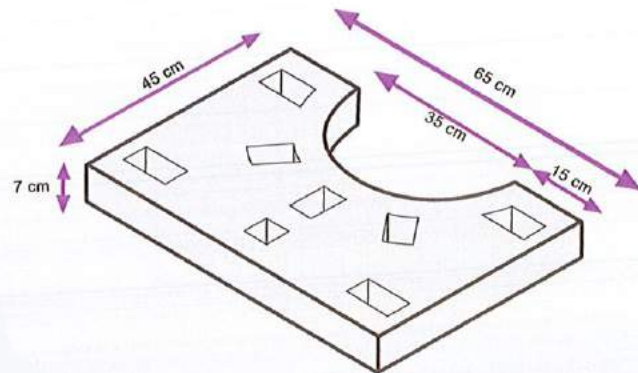
Decorative Screen

Decorative screens are precast concrete units manufactured by fully automatic machines with a high rate of production and quality. They are used in fences of houses, gardens, sidewalks and slopes. By cultivating the square openings in the decorative screens you can create an aesthetically pleasing landscape.

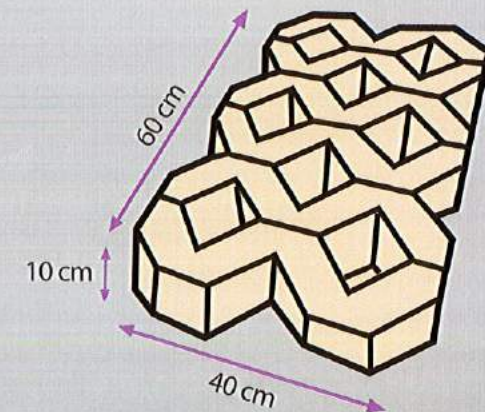


Tree Grilles

Tree grilles are reinforced concrete units with holes designed to promote tree growth and tree protection. These grilles enhance the appearance of pedestrian areas. Our tree grilles are the best way to protect trees, prevent surrounding soil from being compacted, and add architectural flair to the paved surface.



Decorative
Screen



The Safe Wire Barriers

What are the safe wire barriers?

The safe wire barriers are the latest technology in road engineering. These barriers achieve the highest value of the traffic safety through the usage of the pre-tensioned wires which absorb shocks between vehicles and barriers to ensure the high preservation of passengers' life and traffic flow.

The safe wire barriers system:

These barriers are vertical units made of flexible steel, every unit consists of a base fixed on concrete or asphalt and a vertical column installed above the unit base. These units are distributed regularly according to the international standards. All units are connected with each other by horizontal lines of pre-tensioned steel wires which are treated to withstand shocks in a flexible manner.



1 Vehicle deviation from the road



2 Vehicle collision into the barrier



3 Barrier containment for vehicle



4 Absorption of the collision



5 Return the balance to the vehicle



6 Return the vehicle to the right path



Wire Rope
Safety Fence

Advantages of safe wire barriers

- Quick implementation.
- Achieves a high degree of life safety.
- Keeps the traffic flowing during accidents.
- Gives a large vision for passengers and pedestrians.
- Causes less damage during the collision compared to other barriers.
- The barriers can easily be returned to their original state.

Concrete Furniture

OUR PRODUCTS



Capitello Corinzio 1



Fontana Alghero



Fontana Argo



Vaso Tulipano



Vaso Acanto



Vaso Alloro



Capitello Corinzio 3



Con Cristallo Interno



Fontana Jesolo

Concrete Furniture is our newest line of products, including water fountains, benches and tables.