

Living Energy Wise

envicrete
the perfect way to build

www.envicrete.com



envicrete
the perfect way to build

Time Tested Performance

for over 25 years



envicrete

www.envicrete.com

COMPANY PROFILE

The word **envicrete** is derived from the words **envi**ronment and **concrete**, **envicrete** products are manufactured primarily with natural, nontoxic elements from earth, sand, gravel and crush stone. it is an environment friendly construction material.

Envicrete Limited was incorporated in 1984 The company is committed to the manufacture and supply of highest quality concrete products in Pakistan. We invest in Research and Development, Human Resource and Manufacturing technology with a futuristic vision of market leadership and relentless efforts to ensure complete customer satisfaction.

We are the first company in the country to manufacture various sizes of concrete building block products for a variety of applications like Walls, Flooring, Landscaping and Retaining walls. Our production facilities, strategically located in the north and south of the country, comprise of latest, totally automated and computerized plants using state of the art concrete manufacturing technology, conforming to the most stringent international specifications. By utilizing the latest concrete manufacturing technology, advanced and uncompromising quality control procedures and adherence to prescribed international standards for over 25 Years, we have earned an unmatched reputation for quality, reliability and excellence.

Today, **envicrete** is the market leader and the first choice of leading architects, engineers, consultants and the most demanding specifiers in the country, who have extensively used **envicrete** products for innumerable residential, commercial, industrial, and municipal projects.

For the convenience of our customers, our sales offices and display centers are centrally located in Karachi and Islamabad where our well trained and experienced sales and designing staff can assist you in developing the most satisfying and technically sound solutions for your projects.

For sure **envicrete** products are the perfect way to build.

PRODUCT *Range*

COMMERCIAL HARD LANDSCAPING

HEAVY TRAFFIC PAVEMENT

HOMES & GARDENS COLLECTION

TABLE OF CONTENTS

CONTENT	PAGE NO
PAVERS / PAVING BLOCKS	1 TO 18
■ Autumn Leaf	1 - 2
■ Roman Classic	3 - 4
■ Classico	5 - 6
■ Boston 20x20	7 - 8
■ Boston 12x12 & 18x18	9 - 10
■ City	11 - 12
■ Quadra	13 - 14
■ Cobble	15 - 16
■ Flat	17 - 18
BLOCKS	19 TO 28
■ Hollow / Cellular	19 - 20
■ Hollow Stone	21 - 22
■ Solid Block	23 - 24
■ Masonary Hollow Block / Standard Block	25 - 26
■ Masonary Solid Block / Standard Block	27 - 28
CLADDING BLOCKS	29 TO 32
■ Envistone	29 - 30
■ Cover Ups	31 - 32
■ KERBSTONES & EDGING BLOCKS	33 TO 34
■ Kerbstones & Edging	33 - 34
RETAINING WALL SYSTEMS	35 TO 36
■ Keystone	35 - 36
LiteCrete	37 TO 38
■ Light Weight Blocks	37 - 38
PreCast	39 TO 40
■ Boundary Wall	39 - 40
Fast-Built Dry Construction System	41
■ envicrete Boards	41
ECO LINE LITE PANELS	42 TO 49
■ Introduction	42 - 43
■ Installation	44
■ Advantages	45 - 46
■ Product Comparisons	47 - 48



DESCRIPTION

Autumn Leaf Pavers introduces gentle curves into paving, creating attractive patterns and pleasing lines. This block is available in all standard colours and is suitable for most paving applications.

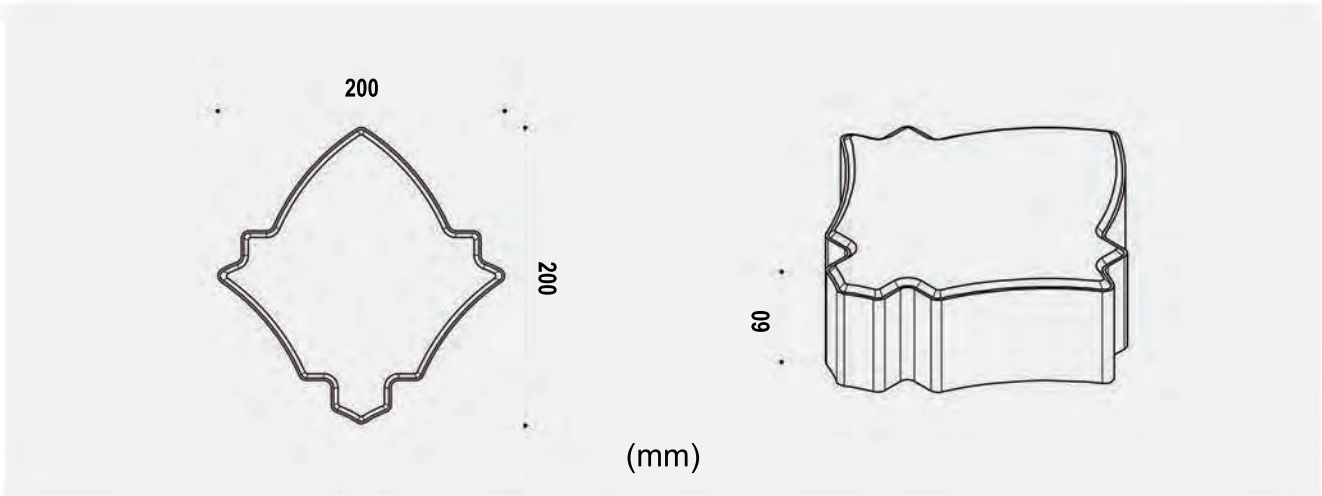
Product	Sizes (mm)	Quantity Per Pallet
Autumn Leaf	200mm(l) x 200mm(h) x 60mm(t)	137 SFT

Tolerance±3mm on height
Tolerance±2mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



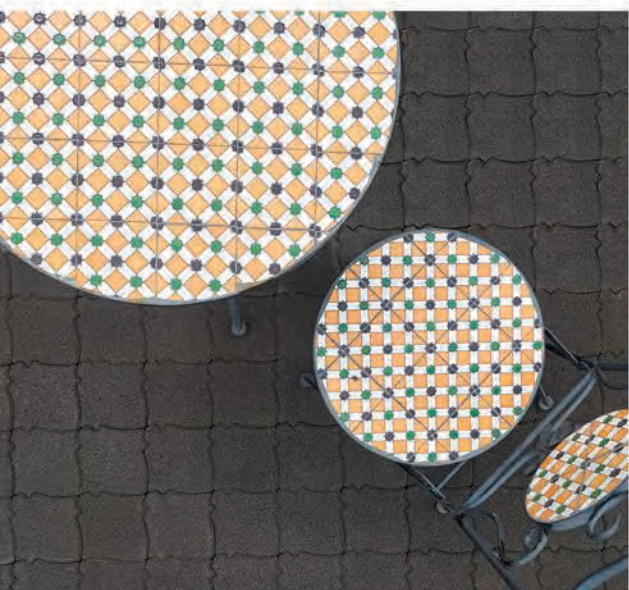
STRENGTH

Up to 6000 psi depending on the nature of application.

BASIC APPLICATIONS

- Car Porches
- Driveways
- Landscaping
- Patios
- Residential streets
- Pedestrian Malls

All products are also available in Beach Grade recipes.





DESCRIPTION

Roman Classic Pavers are a further refinement to the Roman Pavers. With a feel of mature architecture and all the advantages of Roman Pavers, Roman Classic Pavers go a step beyond. They create a touch of antiquity and an environment of classical proportions with a delightful accent of discerning taste and sophistication.

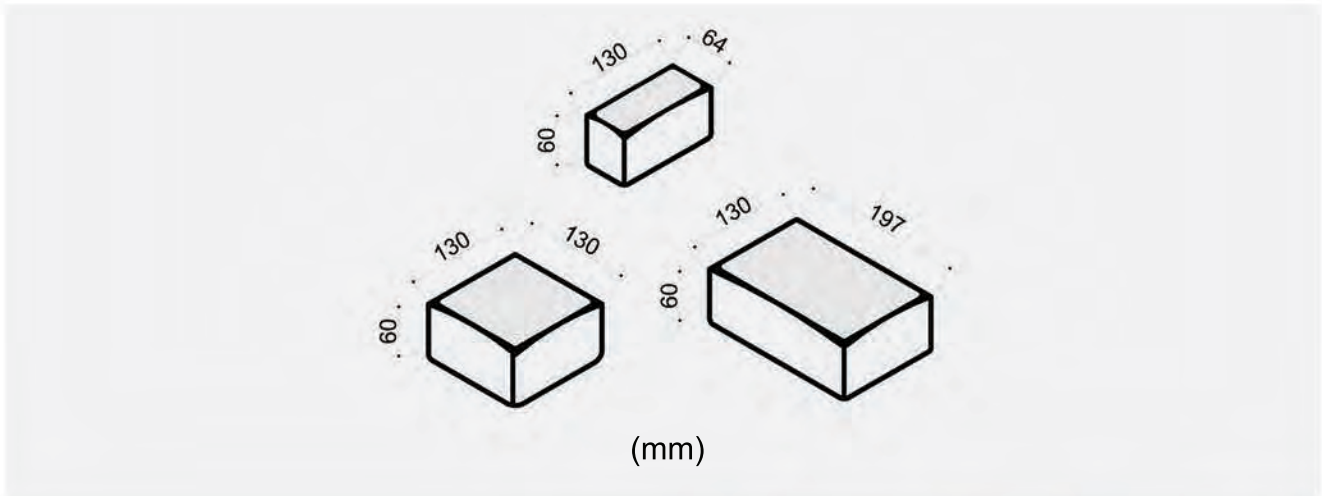
Product		Sizes (mm)	Quantity Per Pallet
Roman Classic	large	197mm(l) x 130mm(w) x 60mm(t)	115 SFT
	medium	130mm(l) x 130mm(w) x 60mm(t)	
	small	130mm(l) x 64mm(w) x 60mm(t)	

Tolerance+3mm on height
Tolerance+2mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



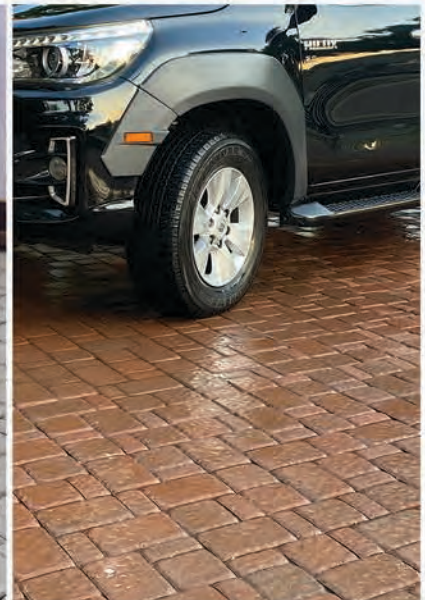
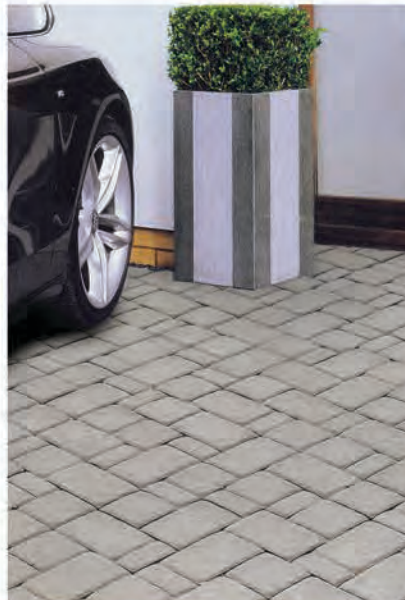
STRENGTH

Up to 6000 psi depending on the nature of application.

BASIC APPLICATIONS

- Car Porches
- Driveways
- Landscaping
- Patios
- Residential streets
- Pedestrian Malls

All products are also available in Beach Grade recipes.





DESCRIPTION

Classico Pavers are an attractive and distinctive paving system that presents timeless beauty of cobble stones. The combination of two shapes makes these pavers easy to install in a variety of circular and curved patterns.

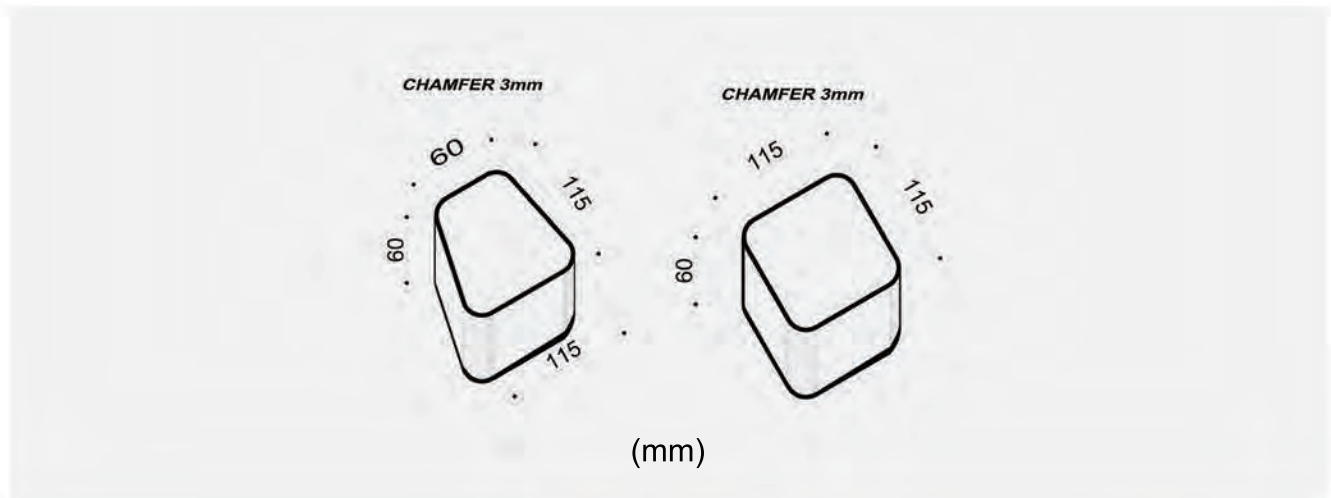
Product	Sizes (mm)	Quantity Per Pallet
Classico	115mm(l) x 115mm(w) x 60mm(t)	117 SFT
	115mm(l) x 115/60mm(w) x 60mm(t)	

Tolerance+3mm on height
Tolerance+2mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



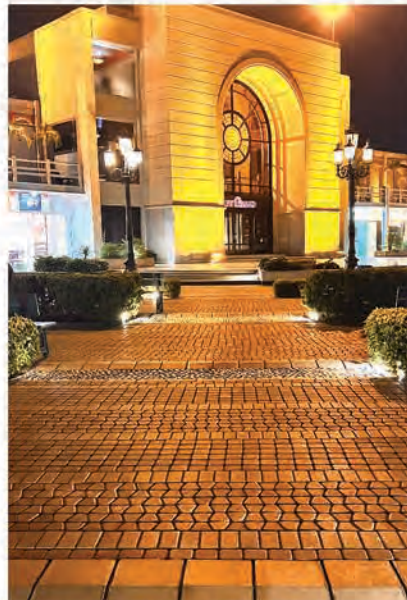
STRENGTH

Up to 6000 psi depending on the nature of application.

BASIC APPLICATIONS

- Car Porches
- Driveways
- Landscaping
- Patios
- Residential streets
- Pedestrian Malls

All products are also available in Beach Grade recipes.





DESCRIPTION

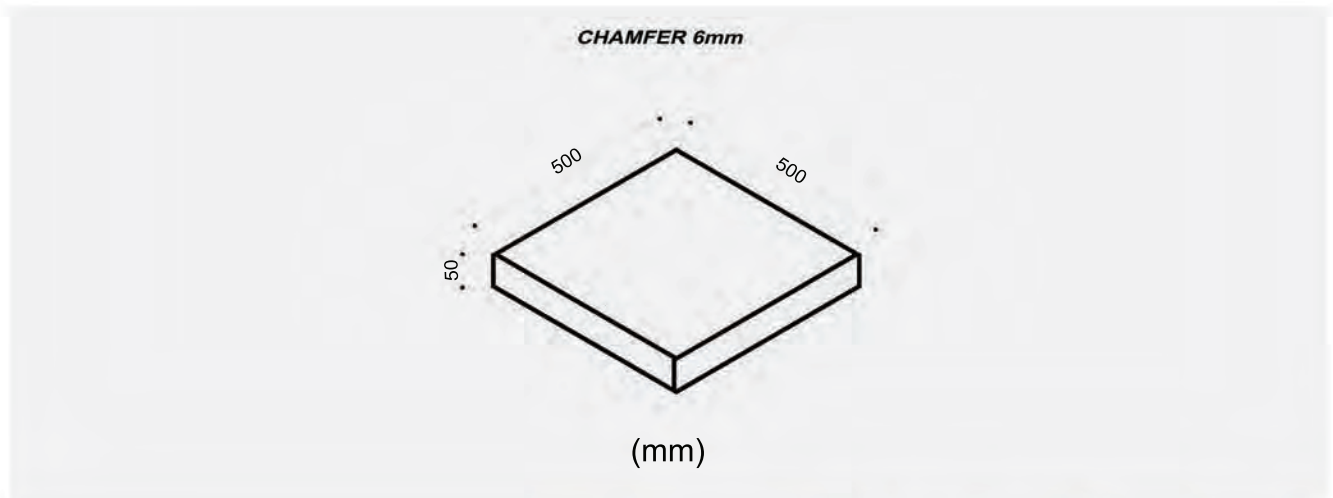
Boston Pavers are a perfect flooring material with a modern touch and simplicity of design. These are ideally suited for patios, driveways, walkways and exterior flooring requirements. The different sizes of **Boston** pavers can be combined to create unique patterns with a modern or classical touch.

Product	Sizes (mm)	Quantity Per Pallet
Boston	500mm(l) x 500mm(w) x 50mm(t)	151 SFT

Tolerance±3mm on height
Tolerance±2mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Gold, Charcoal, & Brindle.

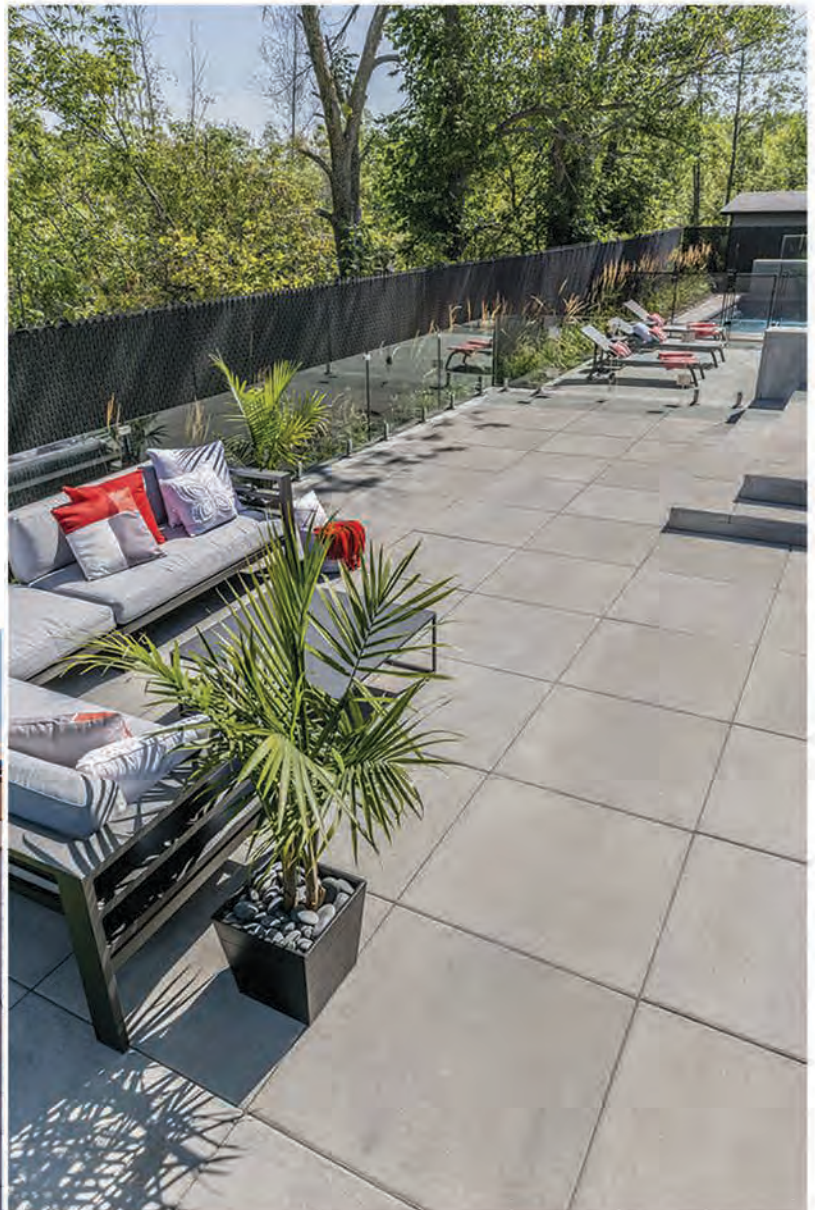
DIMENSIONS AND SPECIFICATIONS**STRENGTH**

Up to 5000 psi depending on the nature of application.

BASIC APPLICATIONS

Car Porches
Driveways
Landscaping
Patios
Residential streets
Pedestrian Malls

*All products are also available in
Beach Grade recipes.*





DESCRIPTION

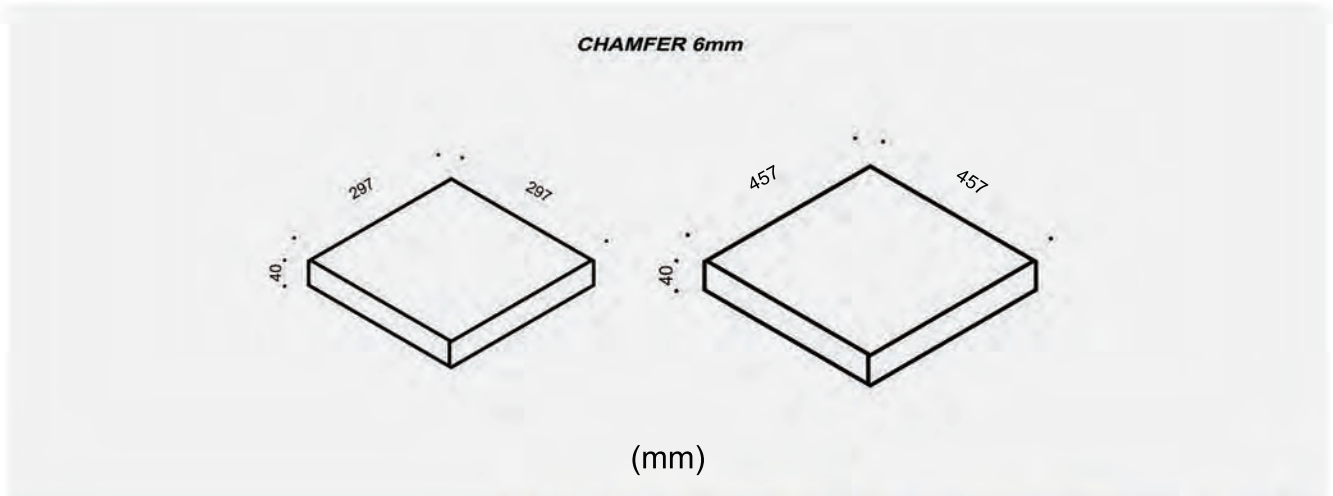
Boston Pavers are a perfect flooring material with a modern touch and simplicity of design. These are ideally suited for patios, driveways, walkways and exterior flooring requirements. The different sizes of **Boston** pavers can be combined to create unique patterns with a modern or classical touch.

Product	Sizes (mm)	Quantity Per Pallet
Boston	297mm(l) x 297mm(w) x 40mm(t)	240 SFT
	457mm(l) x 457mm(w) x 40mm(t)	180 SFT

Tolerance ± 3 mm on height
Tolerance ± 2 mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS**STRENGTH**

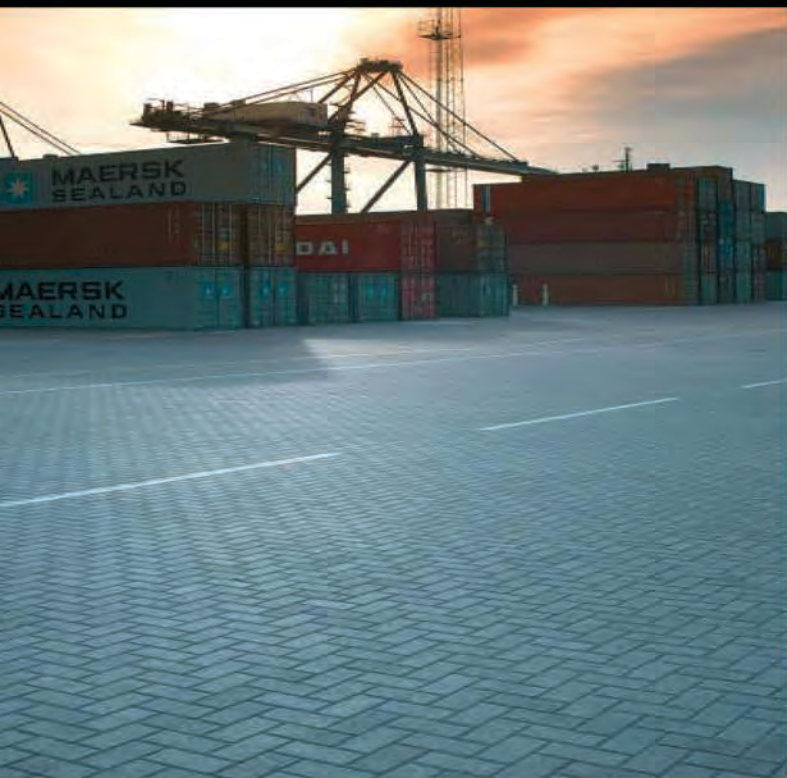
Up to 3000 psi depending on the nature of application.

BASIC APPLICATIONS

Car Porches
Driveways
Landscaping
Patios
Residential streets
Pedestrian Malls

All products are also available in Beach Grade recipes.





DESCRIPTION

City - rectangular pavers are very easy to install and ideally suited for heavy loads and high traffic areas. Their familiar brick shape creates endless design permutations, combining patterns and available colours.

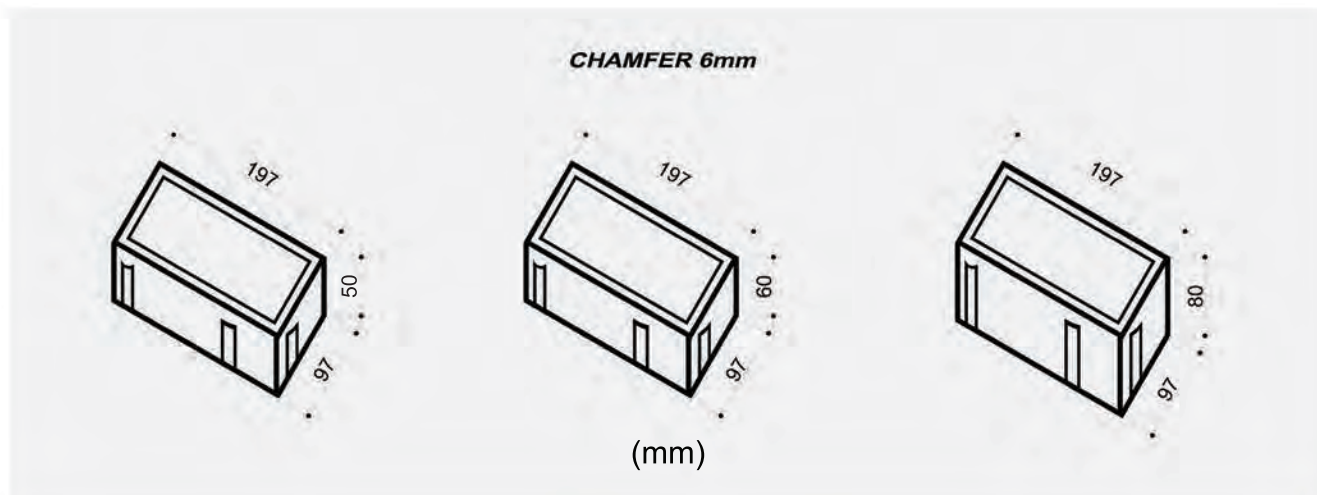
Product	Sizes (mm)	Quantity Per Pallet
City	197mm(l) x 97mm(w) x 50mm(t)	153 SFT
	197mm(l) x 97mm(w) x 60mm(t)	161 SFT
	197mm(l) x 97mm(w) x 80mm(t)	128 SFT

Tolerance ± 3 mm on height
Tolerance ± 2 mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



STRENGTH

Up to 6000 - 8500 psi depending on the nature of application.

BASIC APPLICATIONS

Driveways, Patios
 Car porches, Parking areas
 Residential streets
 Landscaping, Parks
 Pedestrian Malls
 Walkways and footpaths
 Medians
 Bus stops and terminals
 Bridge ramps
 Bridge underpasses
 Slope and erosion control
 Airports
 Heavy traffic areas

ADDITIONAL APPLICATIONS

For making steps
 Edging of flower beds and walk ways

*All products are also available in
 Beach Grade recipes.*





DESCRIPTION

Quadra a “two-shape” paver ideally suited for residential and domestic applications where aesthetics may have more importance. Because of its strong lines, it creates stunning landscapes and hardstanding areas, even in solid colours.

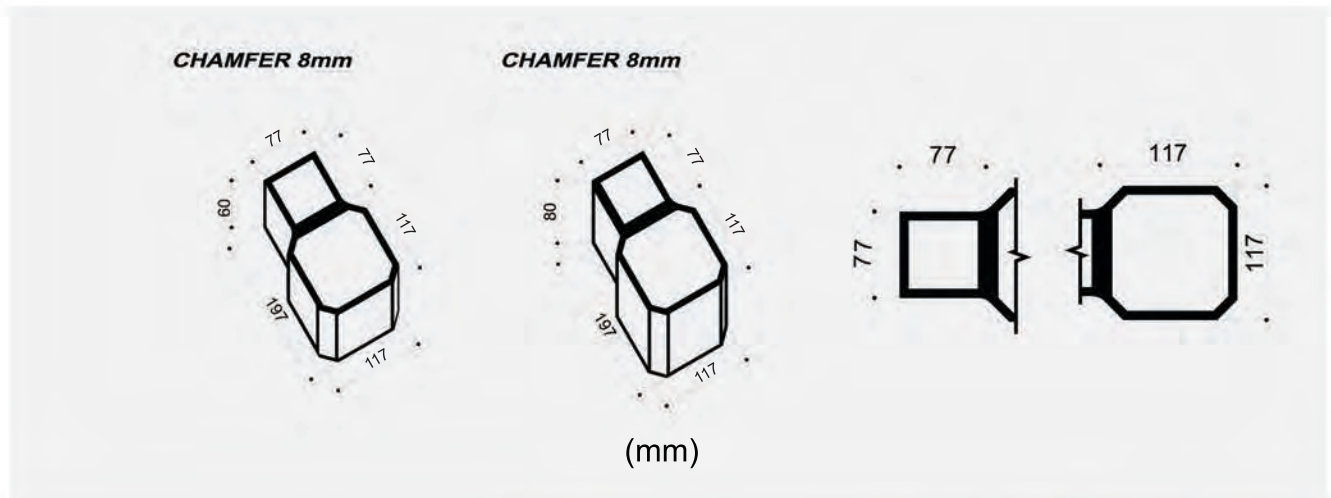
Product	Sizes (mm)	Quantity Per Pallet
Quadra	197mm(l) x 77/117mm(w) x 60mm(t)	130 SFT
	197mm(l) x 77/117mm(w) x 80mm(t)	128 SFT

Tolerance ± 3 mm on height
Tolerance ± 2 mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



STRENGTH

Up to 6000 - 8500 psi depending on the nature of application.

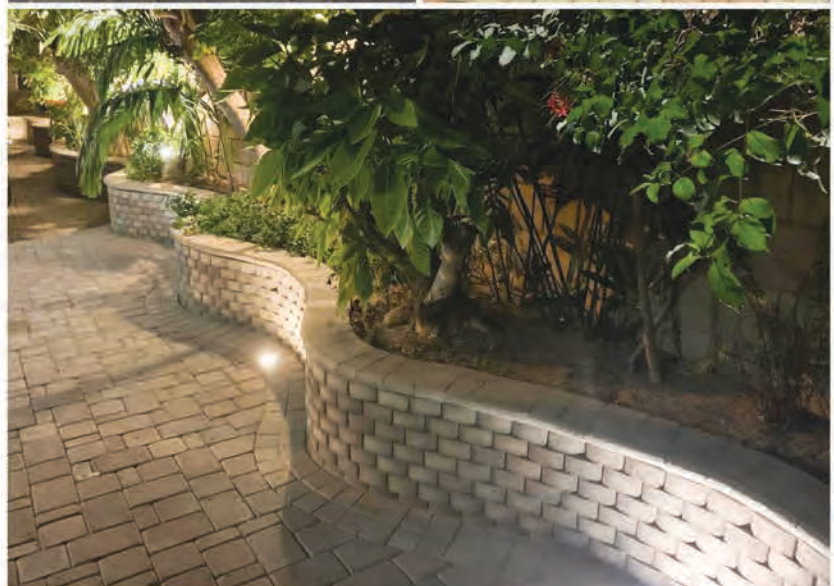
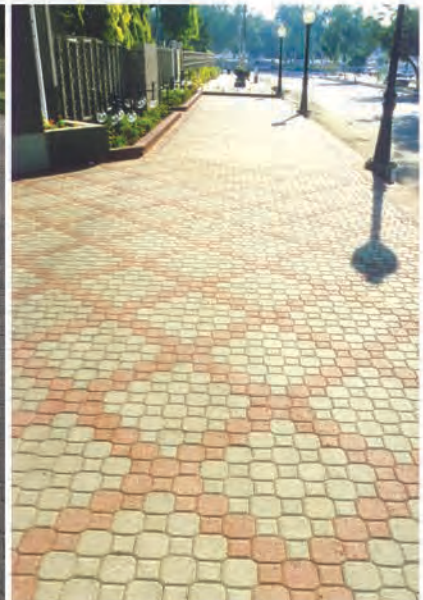
BASIC APPLICATIONS

Driveways, Patios
Car porches, Parking areas
Residential streets
Landscaping, Parks
Pedestrian Malls
Walkways and footpaths
Medians
Bus stops and terminals
Bridge ramps
Bridge underpasses
Slope and erosion control
Airports
Heavy traffic areas

ADDITIONAL APPLICATIONS

For making steps
Edging of flower beds and walk ways

*All products are also available in
Beach Grade recipes.*





DESCRIPTION

Cobble pavers are the - Same as CITY pavers in size and shape. Cobble Paver have a dividing line on the top surface which, after installation, depicts a 4" x 4" grid. Looks equally elegant in mono-or random colours for domestic or commercial applications.

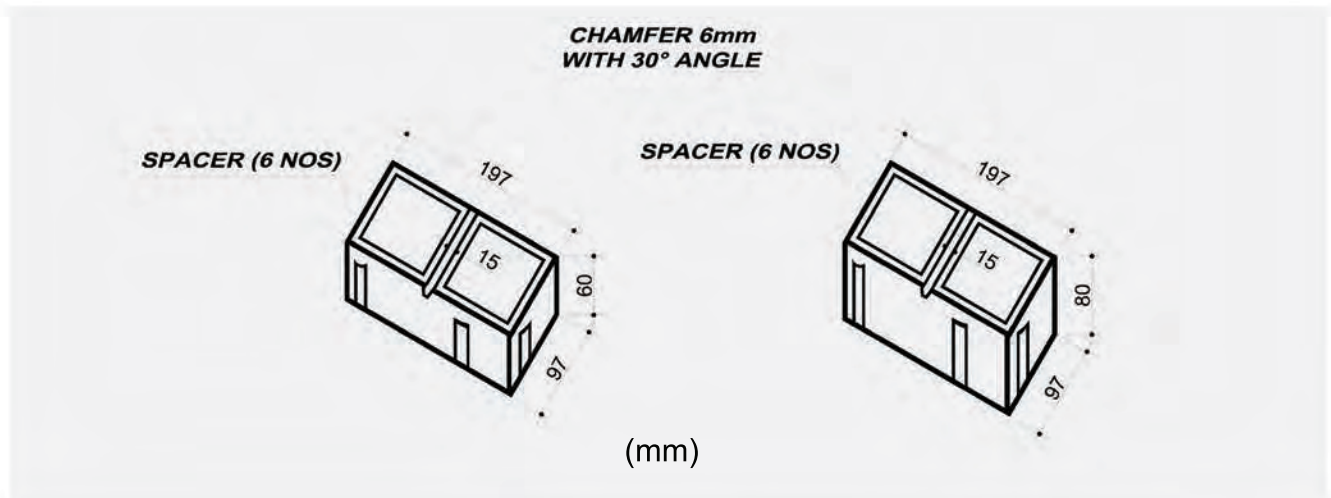
Product	Sizes (mm)	Quantity Per Pallet
Cobble	197mm(l) x 97mm(w) x 60mm(t)	128 SFT
	197mm(l) x 97mm(w) x 80mm(t)	128 SFT

Tolerance+3mm on height
Tolerance+2mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



STRENGTH

Up to 6000 - 8500 psi depending on the nature of application.

BASIC APPLICATIONS

Driveways, Patios
Car porches, Parking areas
Residential streets
Landscaping, Parks
Pedestrian Malls
Walkways and footpaths
Medians
Bus stops and terminals
Bridge ramps
Bridge underpasses
Slope and erosion control
Airports
Heavy traffic areas

ADDITIONAL APPLICATIONS

For making steps
Edging of flower beds and walk ways

*All products are also available in
Beach Grade recipes.*





DESCRIPTION

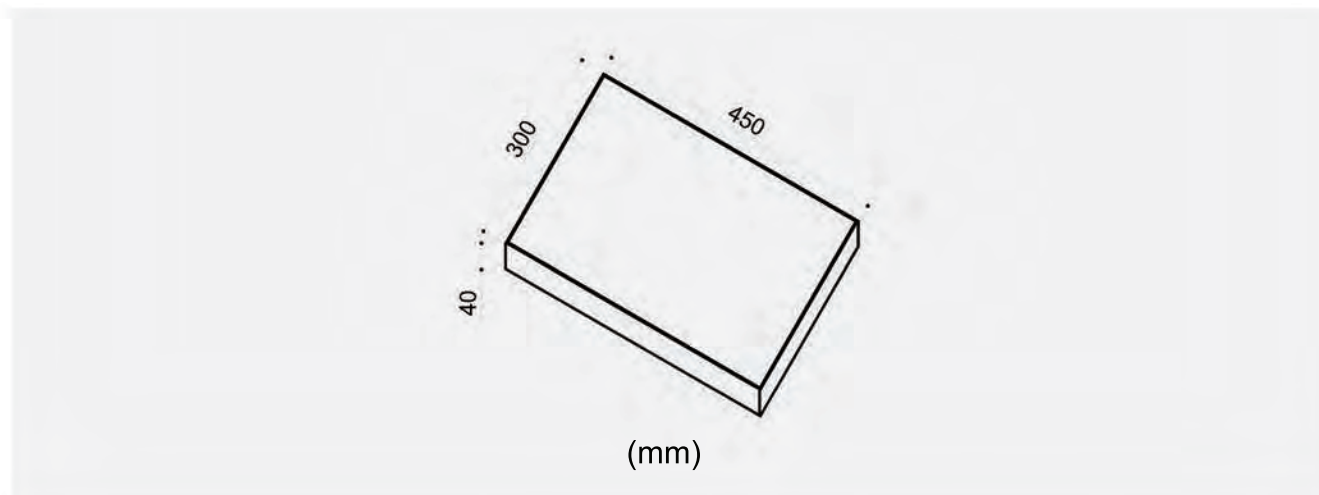
Flat Pavers are a simple reflection of sharp-cut stone slabs, ideally suited for use in combination with other materials like pebbles, grass or even simple grooves to create a high abrasion resistant surface with a soft look. Its beauty is in its simple proportions which can easily blend with any architectural or aesthetic requirements.

Product	Sizes (mm)	Quantity Per Pallet
Flat	450mm(l) x 300mm(w) x 40mm(t)	180 SFT

Tolerance ± 3 mm on height
Tolerance ± 2 mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS**STRENGTH**

Up to 3000 psi depending on the nature of application.

BASIC APPLICATIONS

Car Porches
Driveways
Landscaping
Patios
Residential streets
Pedestrian Malls

All products are also available in Beach Grade recipes.





DESCRIPTION

Hollow Blocks are available in different types, grades and sizes for a multitude of applications.

STANDARD DENSE - High density/strength block for internal and external use where extra load bearing capacity is required. May or may not require plaster / paint.

FAIR FACED, PIGMENTED AND ARCHITECTURAL MASONRY BLOCKS - “Smooth Finished” blocks for internal or external applications. Do not require plaster or paint. Maintenance Free.

Product	Sizes (mm)	Quantity Per Pallet
Hollow / Cellular	390mm(l) x 190mm(h) x 90mm(t)	120 PCS
	390mm(l) x 190mm(h) x 140mm(t)	93 PCS
	390mm(l) x 190mm(h) x 190mm(t)	75 PCS

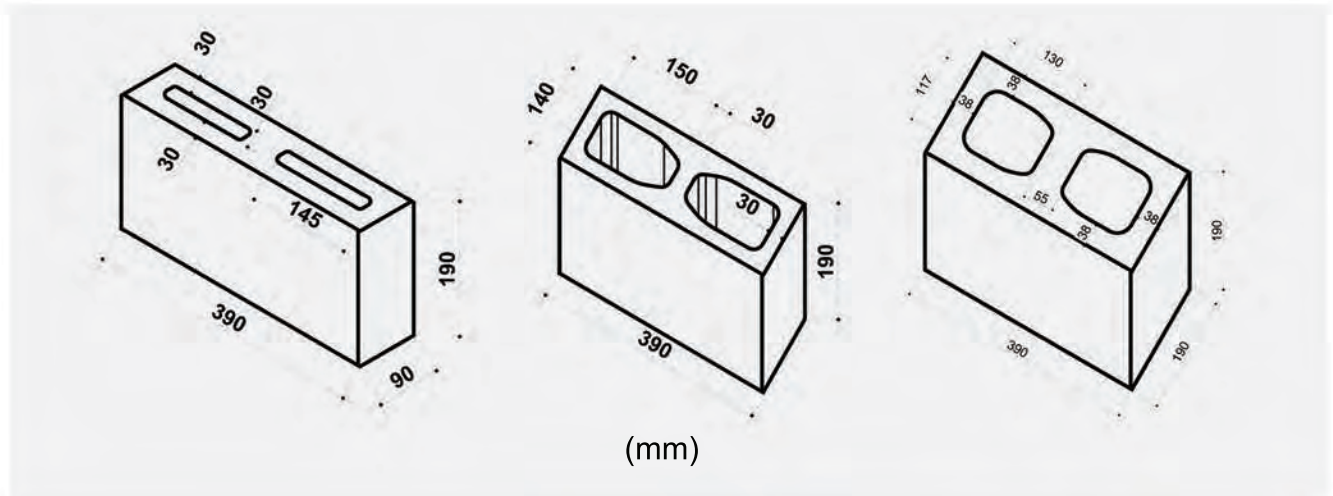
Tolerance±3mm on height
Tolerance±2mm on sides

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS

FAIR FACE



STRENGTH

Up to 1000 psi depending on the nature of application.

BASIC APPLICATIONS

- Boundary walls
- Partition walls
- Load bearing walls
- Facades and elevations
- Interior & exterior walls
- Landscaping, decorative and featured walls

ADDITIONAL APPLICATIONS

- 90mm block for cladding
- For edging of pathways and flower beds
- For window sills
- and many more

All products are also available in Beach Grade recipes.





DESCRIPTION

Hollow Stone Blocks are a unique blend of two different types of blocks, Hollow blocks and envistone veneer. These **Hollow Stone** Blocks give tremendous advantage in terms of cost savings and time. These blocks are used as smooth face from one side and stone finish from the other. Since this is a complete hollow block, therefore it eliminates the requirement for first making a wall and then cladding it. It can be ideally used for exterior shell of buildings where stone finish is required on the outside and interior surface is required to be smooth. This smooth surface can be plastered and or painted if required. **Hollow Stone** blocks can be used on their own or combined with other **envicrete** products to design attractive and practical wall surfaces.

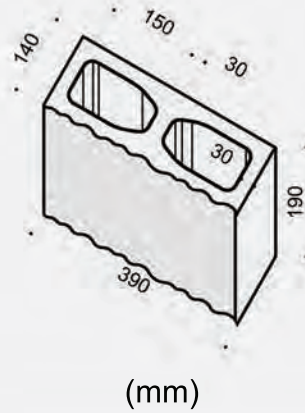
Product	Sizes (mm)	Quantity Per Pallet
Hollow Stone	390mm(l) x 190mm(h) x 140mm(w)	93 PCS

** Also available as cellular stone
Tolerance ± 3 mm*

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



STRENGTH

Up to 1000 psi depending on the nature of application.

BASIC APPLICATIONS

- Boundary walls
- Partition walls
- Load bearing walls
- Facades and elevations
- Interior & exterior walls
- Landscaping decorative and featured walls

All products are also available in Beach Grade recipes.





DESCRIPTION

Solid Blocks are ideal for load bearing applications reducing the cost of steel + RCC. Solid blocks are available in various grades and sizes for a multitude of applications.

STANDARD DENSE - High density/strength, load bearing block for internal and external use. May or may not require plaster / paint.

FILLER - "Open Texture" block for normal load bearing use. Requires plaster or rendering.

FAIR FACED / PIGMENTED - "Smooth Finished" block for load bearing application. Does not require plaster or paint. Maintenance free.

Product	Sizes (mm)	Quantity Per Pallet
Solid Block	390mm(l) x 190mm(h) x 90mm(t)	120 PCS
	390mm(l) x 190mm(h) x 140mm(t)	93 PCS
	390mm(l) x 190mm(h) x 190mm(t)	75 PCS

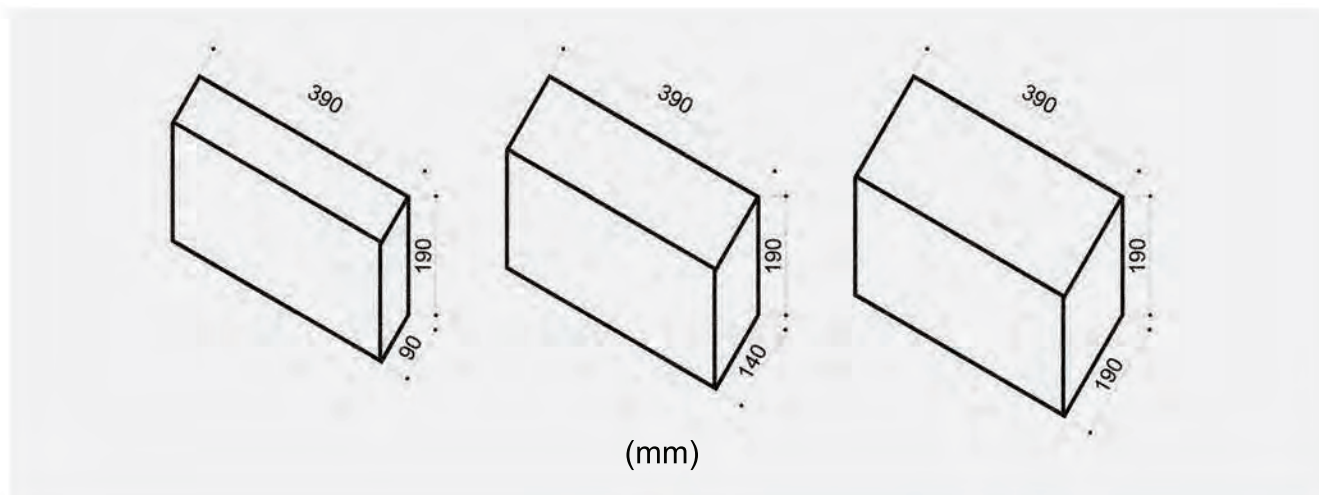
Tolerance ± 3 mm

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS

FAIR FACE



STRENGTH

Up to 1500 psi depending on the nature of application.

BASIC APPLICATIONS

- Boundary walls
- Partition walls
- Load bearing walls
- Facades and elevations
- Interior & exterior walls
- Landscaping decorative and featured walls

ADDITIONAL APPLICATIONS

- For edging of pathways and flower beds
- For planters
- For making steps
- For window sills

All products are also available in Beach Grade recipes.





DESCRIPTION

enviocrete Filler/Standard Blocks range is a specialized product designed to provide quality conscious clients with a superb quality filler block to reduce the cost of plastering and increase workability on wall surfaces. These blocks are specially designed to create a better bond with plastering mortar / cladding materials and at the same time are easy to cut for conducting etc. without compromising on strength. Their superb dimensional accuracy makes achieving smooth, plastered / rendered painted finishes so much easier.

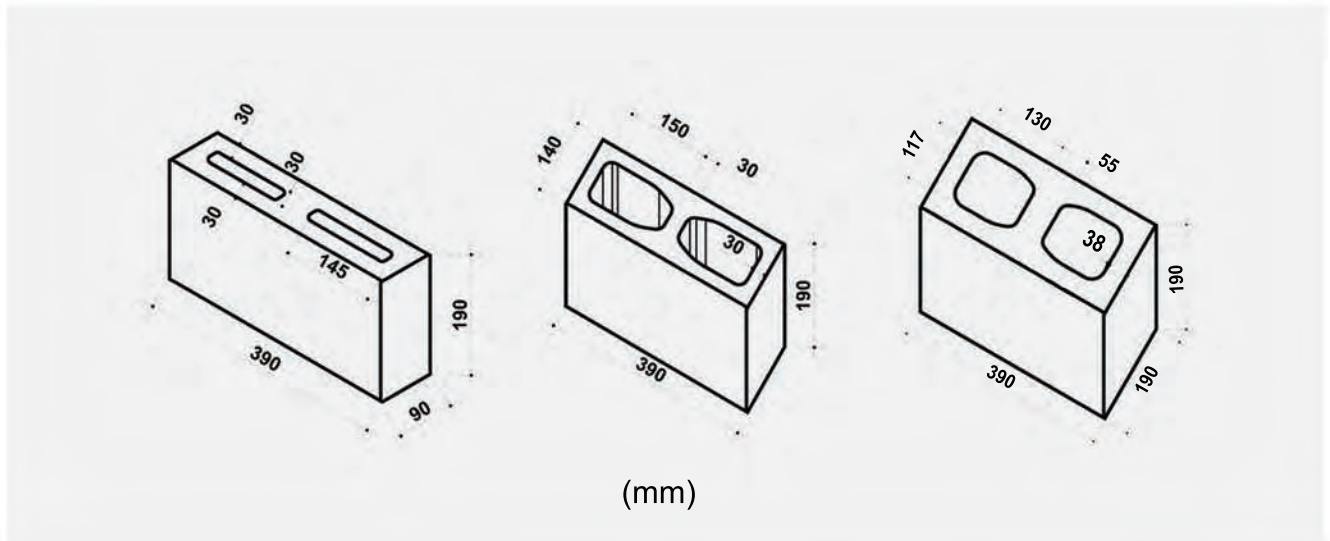
Product	Sizes (mm)	Quantity Per Pallet
Masonry Hollow Block	390mm(l) x 190mm(h) x 90mm(t)	120 PCS
	390mm(l) x 190mm(h) x 140mm(t)	93 PCS
	390mm(l) x 190mm(h) x 190mm(t)	75 PCS

Tolerance $\pm 3\text{mm}$

AVAILABLE COLOURS

Natural Grey.

DIMENSIONS AND SPECIFICATIONS



STRENGTH

Up to 800 psi depending on the nature of application.

BASIC APPLICATIONS

Boundary walls
Partition walls
Interior and exterior walls

All products are also available in Beach Grade recipes.





DESCRIPTION

enviocrete Filler/Standard Blocks range is a specialized product designed to provide quality conscious clients with a superb quality filler block to reduce the cost of plastering and increase workability on wall surfaces. These blocks are specially designed to create a better bond with plastering mortar / cladding materials and at the same time are easy to cut for conducting etc. without compromising on strength. Their superb dimensional accuracy makes achieving smooth, plastered / rendered painted finishes so much easier.

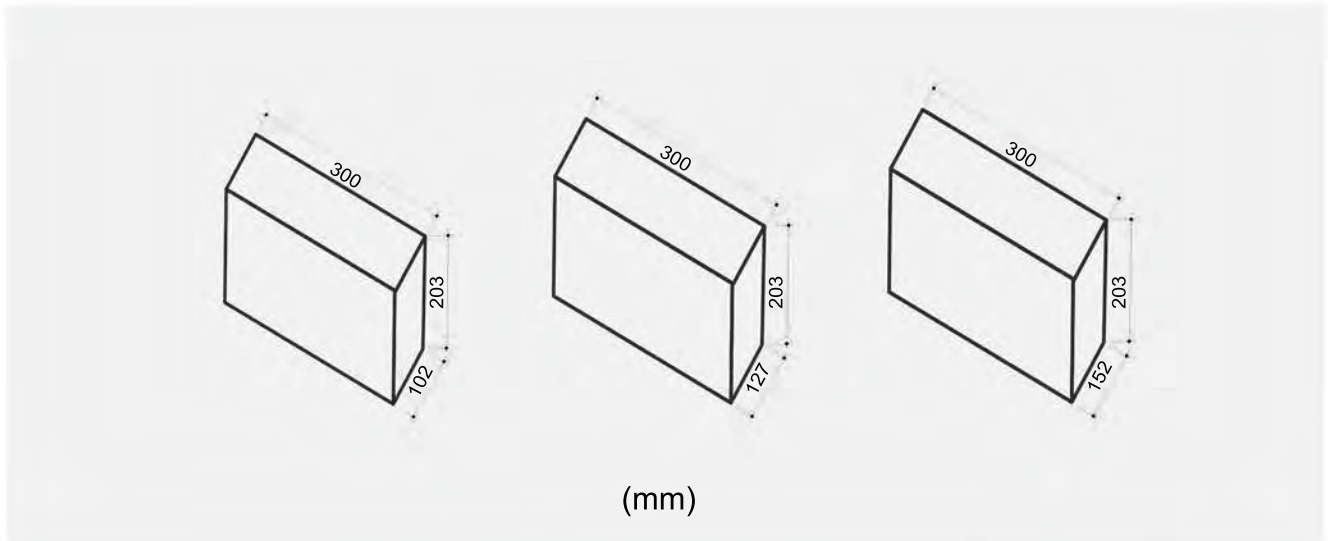
Product	Sizes (mm)	Quantity Per Pallet
Masonry Solid Block	300mm(l) x 203mm(h) x 102mm(t)	144 PCS
	300mm(l) x 203mm(h) x 127mm(t)	108 PCS
	300mm(l) x 203mm(h) x 152mm(t)	96 PCS

Tolerance $\pm 3\text{mm}$

AVAILABLE COLOURS

Natural Grey.

DIMENSIONS AND SPECIFICATIONS



STRENGTH

Up to 800 psi depending on the nature of application.

BASIC APPLICATIONS

Boundary walls
Partition walls
Interior and exterior walls

All products are also available in Beach Grade recipes.





DESCRIPTION

Envistone Architectural Masonry emulates the aesthetic appearance of natural stone, yet is cost effective, readily available and offers tremendous flexibility. Its broad range of sizes provides the capacity to create prestigious, traditional-style buildings easily and offers a pallet of colors varied enough to complement the dominant regional features. **Envistone** can be used on its own to create buildings of subtle character or combined with other envicrete masonry products in feature panels or bands to create strikingly unique buildings.

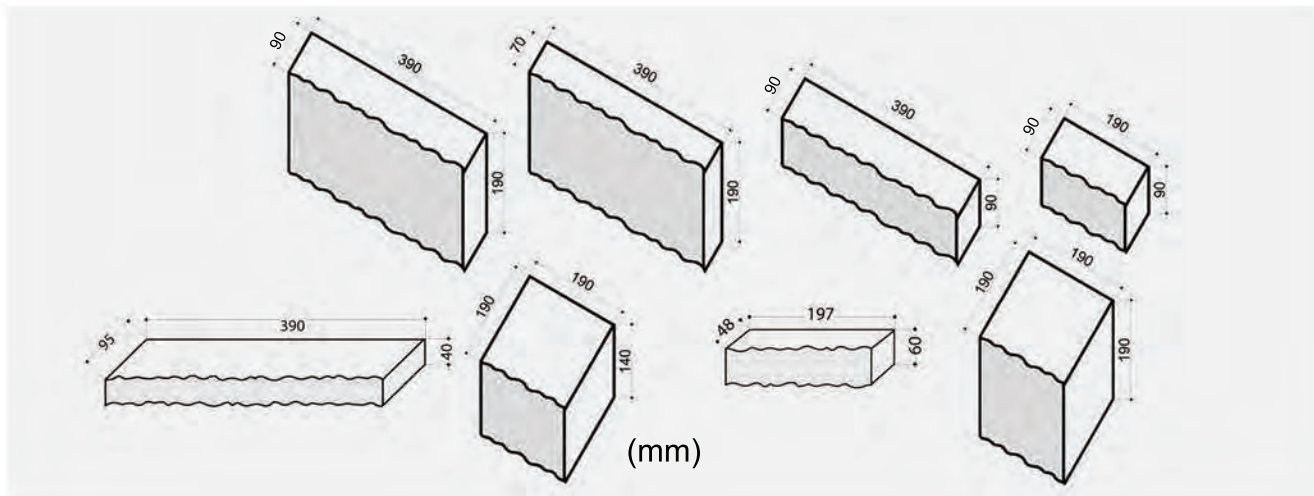
Product	Sizes (mm)	Quantity Per Pallet
Envistone	390mm(l) x 190mm(h) x 90mm(t)	120 PCS
	390mm(l) x 190mm(h) x 70mm(t)	180 PCS
	390mm(l) x 90mm(h) x 90mm(t)	240 PCS
	190mm(l) x 190mm(h) x 190mm(t)	150 PCS
	190mm(l) x 140mm(h) x 190mm(t)	186 PCS
	190mm(l) x 90mm(h) x 90mm(t)	480 PCS
	390mm(l) x 40mm(h) x 95mm(t)	480 PCS
	197mm(l) x 60mm(h) x 48mm(t)	1200 PCS

Tolerance $\pm 2\text{mm}$

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



BASIC APPLICATIONS

- Cladding of
- Boundary walls
- Partition walls
- Facades and elevations
- Interior & exterior walls
- Landscaping
- Decorative and featured vertical surfaces
- Planters

All products are also available in Beach Grade recipes.





DESCRIPTION

Coverups are especially designed concrete wafers to clad existing walls whether new or old, or where cladding is required for any architectural and engineering compulsion.

Coverups provide the same aesthetics as other **enviarcete** architectural masonry blocks, offering endless design options for renovation or new construction. Yet are extremely cost effective.

It's broad range of textures and finishes provides the capacity to create prestigious traditional-style buildings easily and offers a palette of colours varied enough to complement the dominant regional features.

Coverups can be used singly to create buildings of subtle character or combined with other **enviarcete** architectural masonry products in feature panels or bands to create strikingly unique buildings.

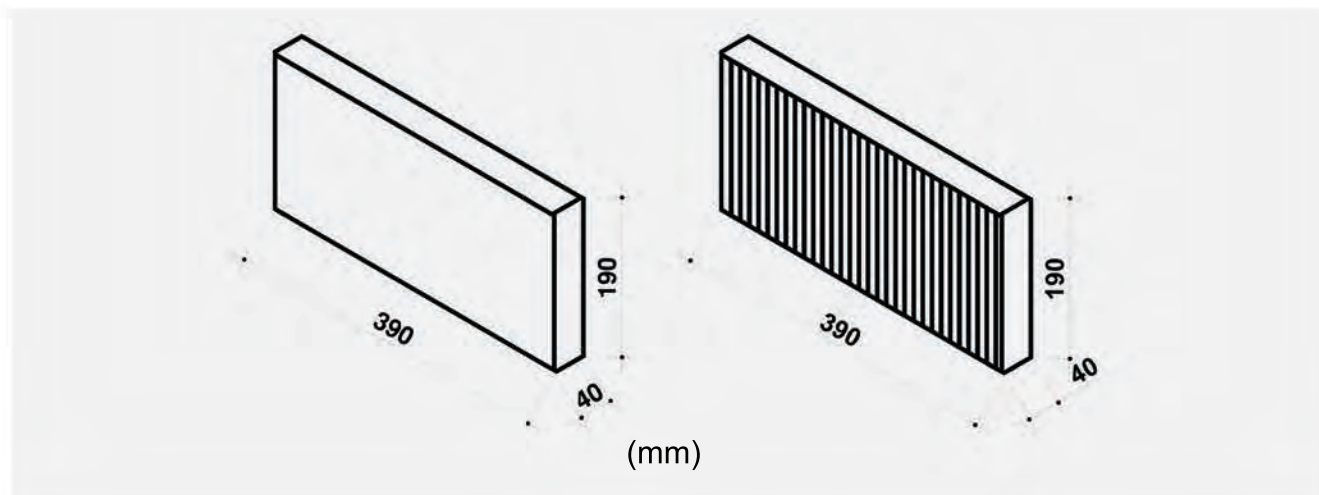
Product	Sizes (mm)	Quantity Per Pallet
Cover Ups	390mm(l) x 190mm(h) x 40mm(t)	240 PCS

Tolerance ± 2 mm

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



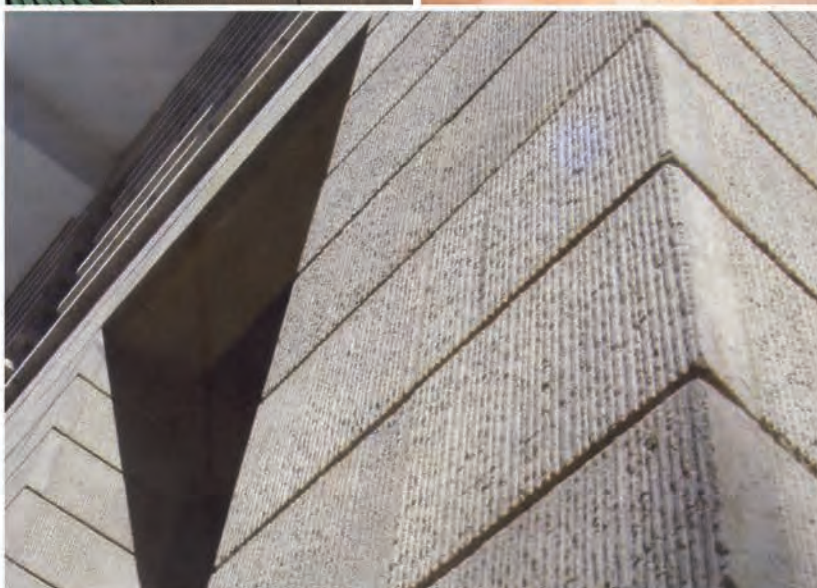
BASIC APPLICATIONS

Cladding of
Boundary walls
Facades and elevations
Interior & exterior walls
Landscaping decorative and featured walls

ADDITIONAL APPLICATIONS

Light flooring
As thin block for partitioning

*All products are also available in
Beach Grade recipes.*





DESCRIPTION

Kerbstones provide a high impact resistant edge to heavy traffic areas. Their rugged design and contours make these an ideal solution for edging of roads, highways and parking lots as well as industrial, commercial, public and residential landscaping. Their dense structure and special **envicrete** recipes make them resistant to sulphate attacks as well as erosion caused by subsoil salts and water logging.

Kerbstones can also be used as steps sills and copings or combined with other envicrete masonry products to create smart architectural details. **envicrete Kerbstones** are custom manufactured for various applications.

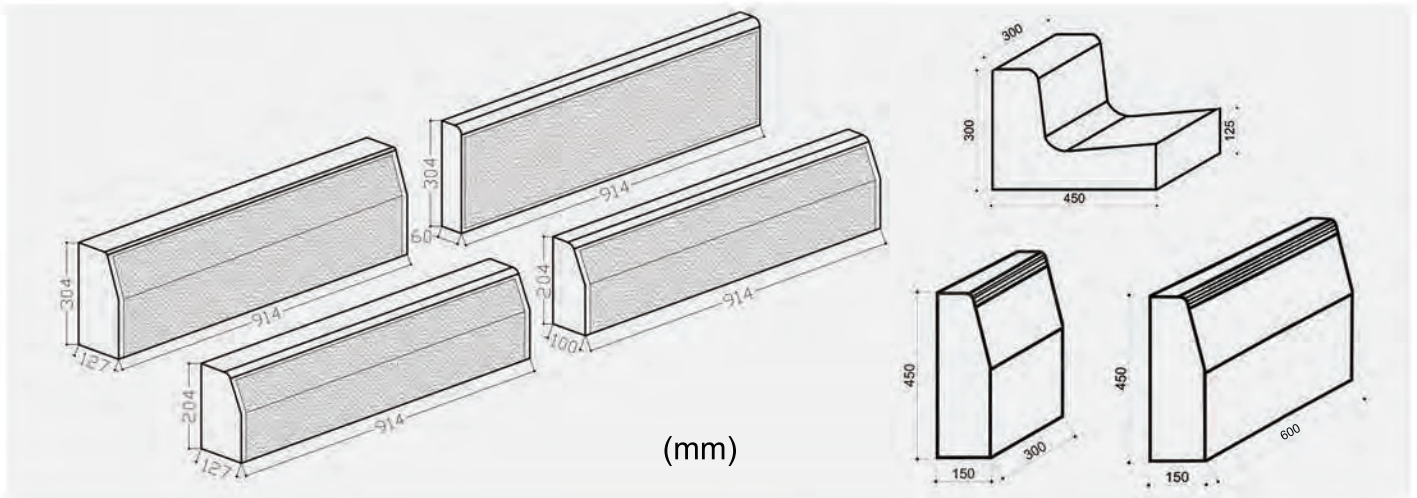
Product	Sizes (mm)	Quantity Per Pallet
Kerbstone	450mm(h) x 600mm(l) x 150mm(t)	24 PCS
	450mm(h) x 300mm(l) x 150mm(t)	48 PCS
	304mm(h) x 914mm(l) x 127mm(t)	21 PCS
	304mm(h) x 914mm(l) x 60mm(t)	56 PCS
	204mm(h) x 914mm(l) x 127mm(t)	21 PCS
	204mm(h) x 914mm(l) x 100mm(t)	32 PCS

Tolerance±3mm

AVAILABLE COLOURS

Varying shades of Grey, Red, Yellow, and Charcoal.

DIMENSIONS AND SPECIFICATIONS



STRENGTH

Standard Kerbstones are manufactured to yield a minimum strength of 3000 psi.

Kerbstones required for municipal application and high traffic areas are manufactured to yield a strength of 3800 psi.

Higher strength or special compositions Kerbstones can also be manufactured according to clients requests.

BASIC APPLICATIONS

Edging of high traffic areas

Re surfacing of existing road edges

Edging of light traffic areas

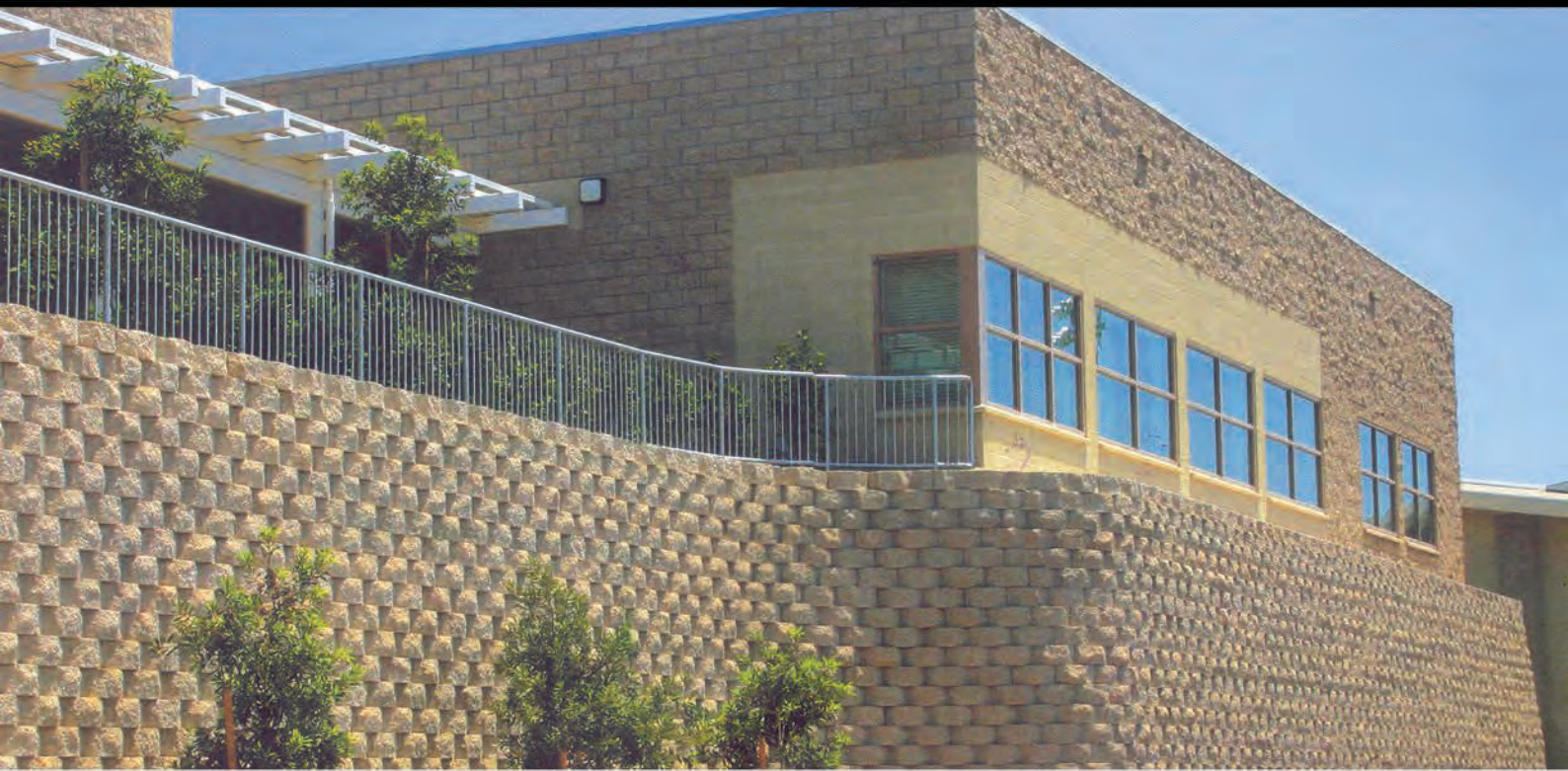
ADDITIONAL APPLICATIONS

For steps and coping

Benches

All products are also available in Beach Grade recipes.





DESCRIPTION

Keystone is a US patterned segmental retaining wall system that is manufactured marketed, and serviced by Keystone Retaining Wall System Inc, and its network of over 125 licensed manufacturers / representatives worldwide. **envicrete** is the licensed manufacturer of Keystone Retaining Wall products in Pakistan.

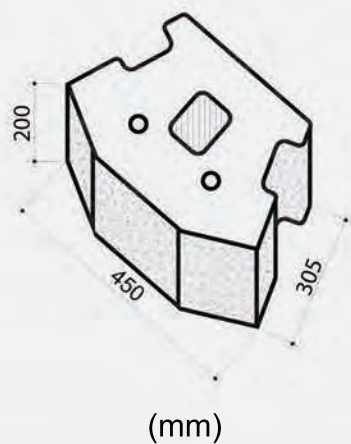
Keystone is an extremely versatile retaining walls system. Whether your requirement is for Bridge Ramps, high “Zero Batter” retaining walls with heavy loads on top or small residential landscaping, Keystone can provide the most economical solutions with extremely pleasant architectural results.

Product	Sizes (mm)	Quantity Per Pallet
Keystone	450mm(l) x 200mm(h) x 305mm(t)	32 PCS

AVAILABLE COLOURS

Varying shades of Grey, Red, Brown, Terracotta, Yellow, Mud, Charcoal, & Brindle.

DIMENSIONS AND SPECIFICATIONS



FEATURES

Durable components
(90 years designed life)

Design flexibility
curves, corners, unique geometries

Cost effective results
competitive to all MSE structures

High aesthetic appeal
options of colours, textures, patterns

Ease of construction
quick, easy no cranes / Heavy Machinery required

BASIC APPLICATIONS

Retaining Walls

Embankments, Slopes

Bridge Ramps

Terraced Landscape

Flower beds and landscaping etc

ADDITIONAL APPLICATIONS

For making steps

Elevations

*All products are also available in
Beach Grade recipes.*



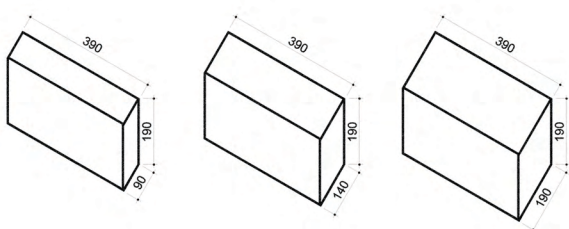


Material Datasheet

Solid LIGHTWEIGHT LiteCrete® Block

STANDARD FINISH

With LiteCrete® Block range of Dense and Lightweight Aggregate Blocks by **envicrete**, you are assured to find the building solution you need. Our blocks can be used with confidence in a wide variety of internal and external applications. Our quality assures that LiteCrete® Block units are of consistent and superior quality to meet the requirement of BS EN771-3 1981 Part 1.



Size available Solid Block (in mm)

Thickness	Length	Height	Weight (kg)
90	390	190	7.83
140	390	190	12.13
190	390	190	16.6

*These figures are a national average and variations may occur geographically, please contact your nearest Sale Office for more precise block weight.

Product Specifications

LiteCrete® Block TO BS EN771-3 1981 Part 1

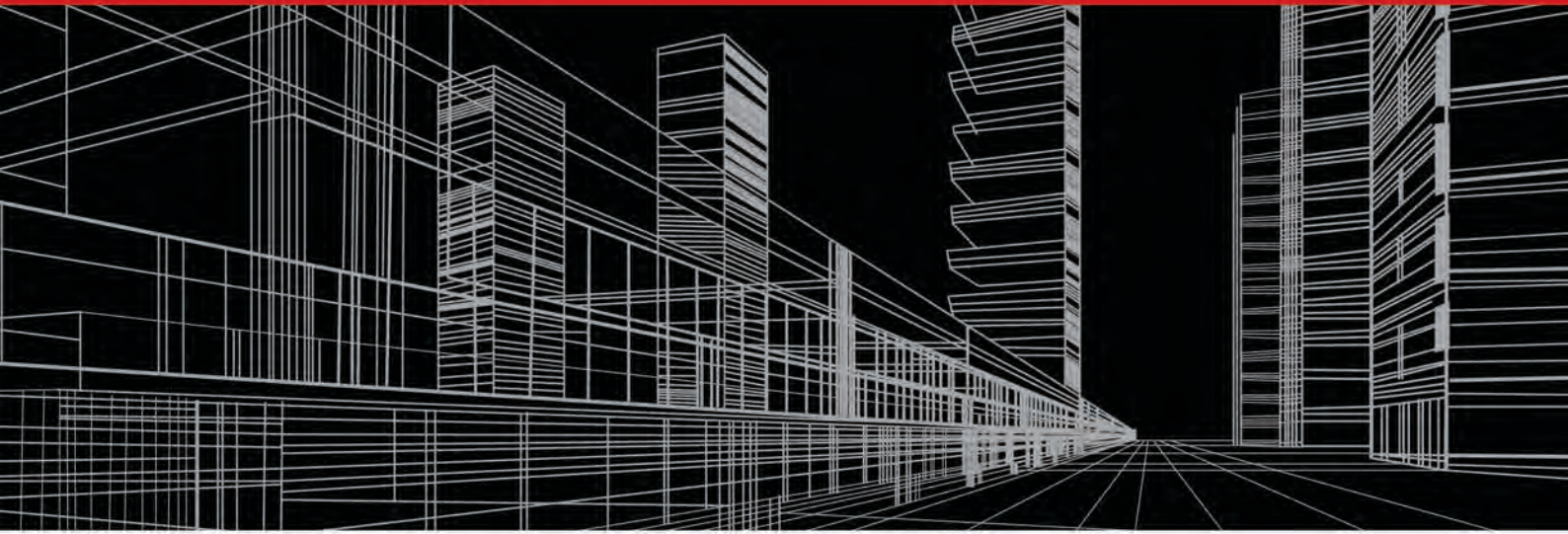
'Aggregate Concrete Masonry Units Category 1 (dense and light-weight aggregates)'

CATEGORY:	AGGREGATE CONCRETE MASONRY UNIT
DIMENSIONAL TOLERANCES :	±3.5mm
COMPRESSIVE STRENGTH :	700-800 PSI
REACTION TO FIRE :	Class A1
WATER ABSORPTION :	18-20 lbs/cft
WATER VAPOUR PERMEABILITY :	NA
DRY DENSITY :	1060 kg/m3
THERMAL CONDUCTIVITY :	0.285 W/mk
FREEZE-THAW :	NA



Features and Benefits

- Cost Saving
- 50% Lighter than Ordinary Blocks
- Reduction in Dead Load of Structure
- Designed to meet the requirements of the Building regulations
- Demonstrates a high level of performance in loadbearing and other structural applications
- Manufactured utilising lightweight aggregates for a lighter block
- Open textured finish provides an excellent medium for surface finishes and fixings

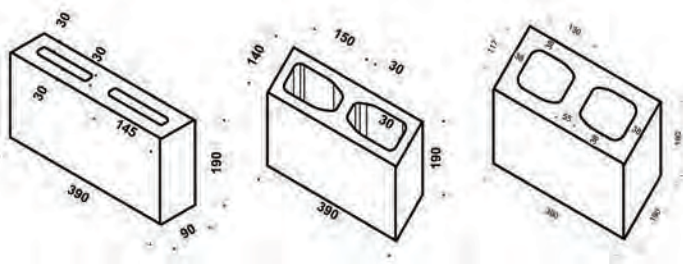


Material Datasheet

Hollow LIGHTWEIGHT LiteCrete® Block

STANDARD FINISH

With LiteCrete® Block range of Dense and Lightweight Aggregate Blocks by **emcrete**, you are assured to find the building solution you need. Our blocks can be used with confidence in a wide variety of internal and external applications. Our quality assures that LiteCrete® Block units are of consistent and superior quality to meet the requirement of BS EN771-3 1981 Part 1.



Size available Hollow Block (in mm)

Thickness	Length	Height	Weight (kg)
90	390	190	5.8
140	390	190	6.8
190	390	190	8.6

*These figures are a national average and variations may occur geographically, please contact your nearest Sale Office for more precise block weight.

Product Specifications

LiteCrete® Block TO BS EN771-3 1981 Part 1

'Aggregate Concrete Masonry Units Category 1 (dense and light-weight aggregates)'

CATEGORY:	AGGREGATE CONCRETE MASONRY UNIT
DIMENSIONAL TOLERANCES :	±3.5mm
COMPRESSIVE STRENGTH :	700-800 PSI
REACTION TO FIRE :	Class A1
WATER ABSORPTION :	18-20 lbs/cft
WATER VAPOUR PERMEABILITY :	NA
DRY DENSITY :	1060 kg/m3
THERMAL CONDUCTIVITY :	0.285 W/mk
FREEZE-THAW :	NA



Features and Benefits

- Cost Saving
- 50% Lighter than Ordinary Blocks
- Reduction in Dead Load of Structure
- Designed to meet the requirements of the Building regulations
- Demonstrates a high level of performance in loadbearing and other structural applications
- Manufactured utilising lightweight aggregates for a lighter block
- Open textured finish provides an excellent medium for surface finishes and fixings

PRECAST

envicrete Boundary Wall

Premium Quality Cast in Concrete



envicrete



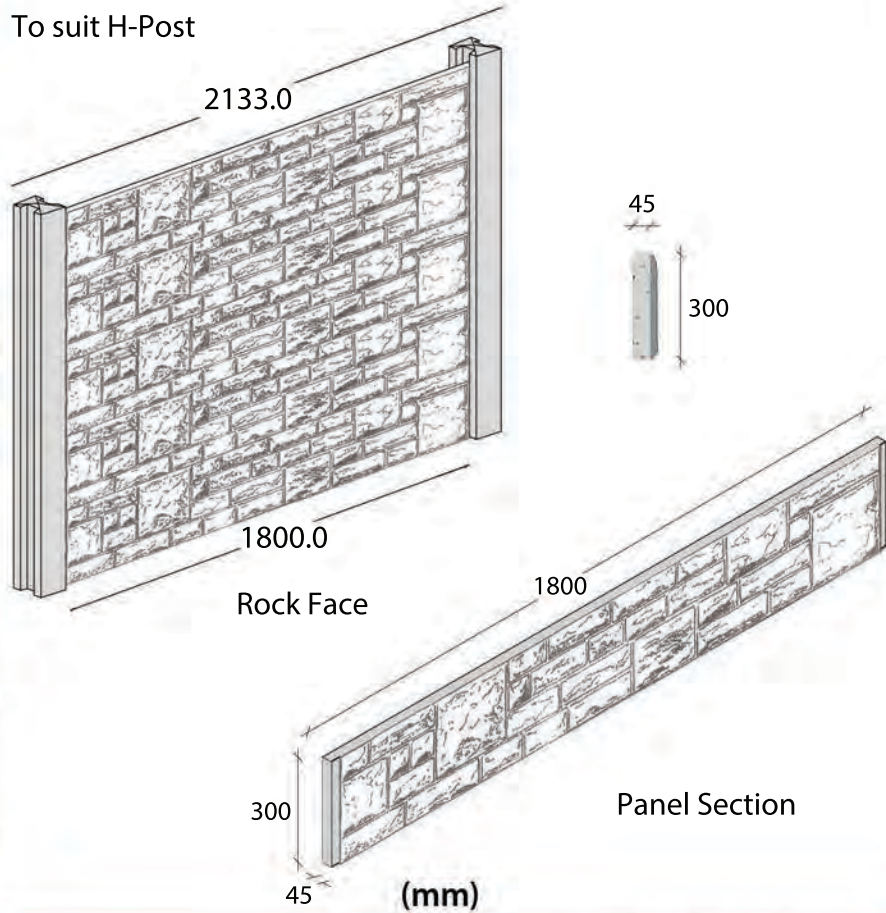


ENVIROCK FACED PANELS

STANDARD LENGTHS

- 1800 ROCK FACED PANEL

To suit H-Post

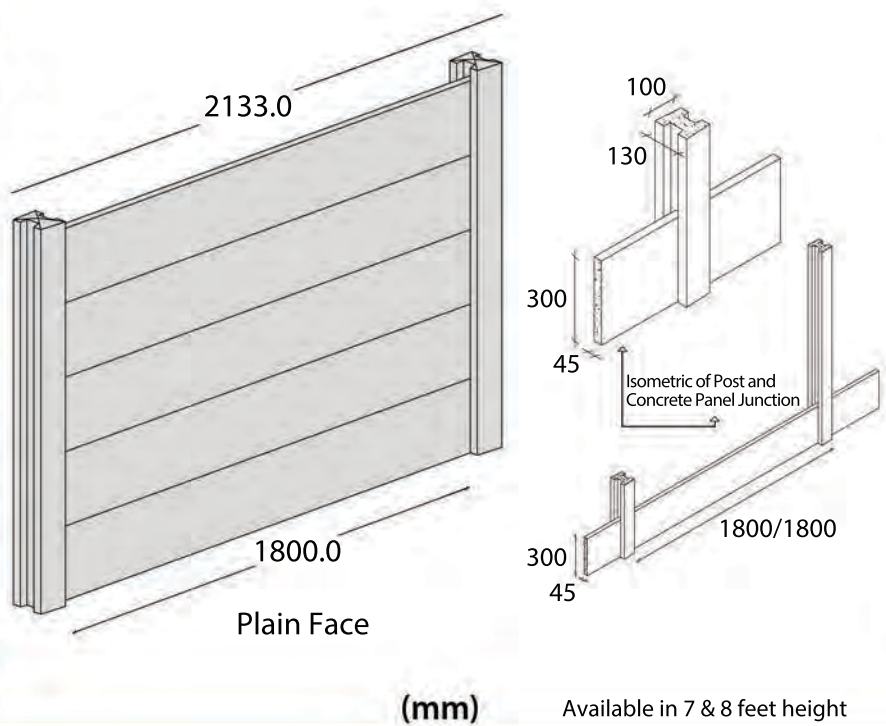


Front Side of Panel

STANDARD LENGTHS

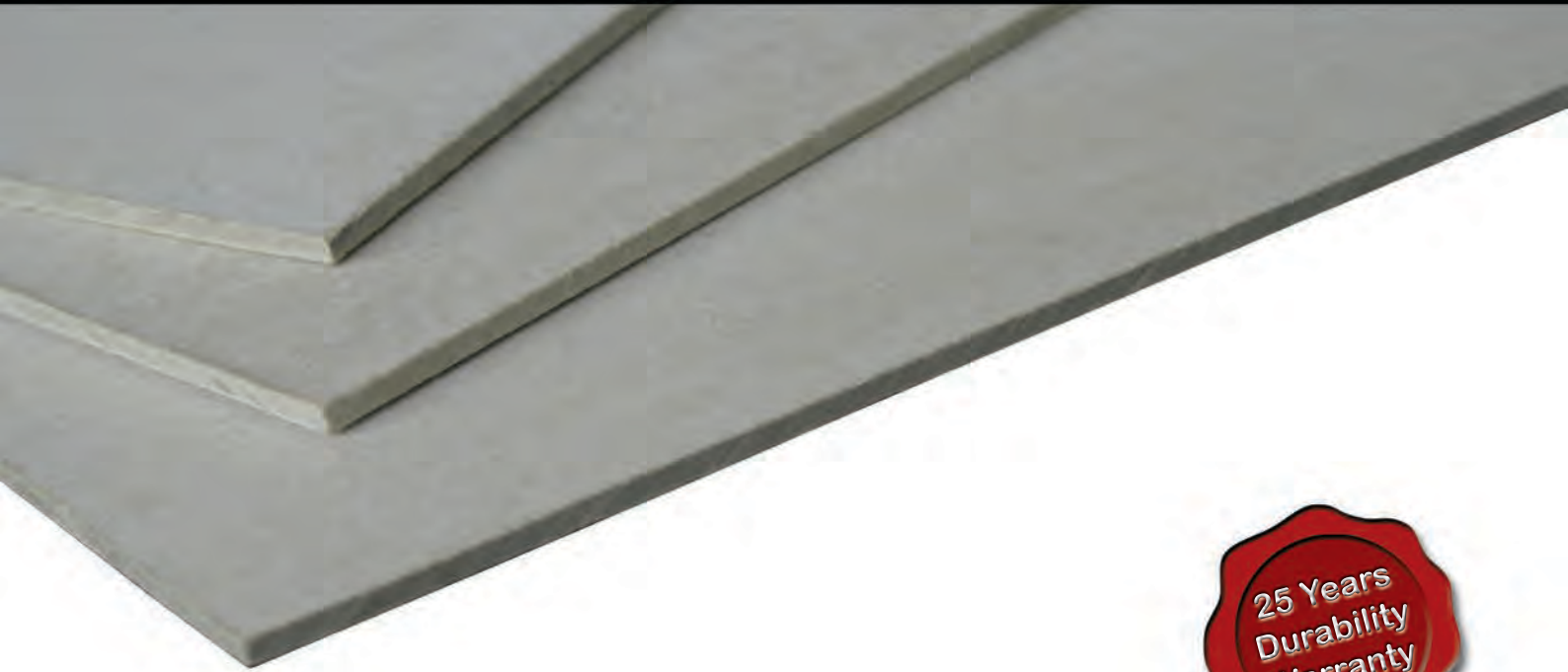
- 1800 PANEL

To suit H-Post



Back Side of Panel

Available in 7 & 8 feet height

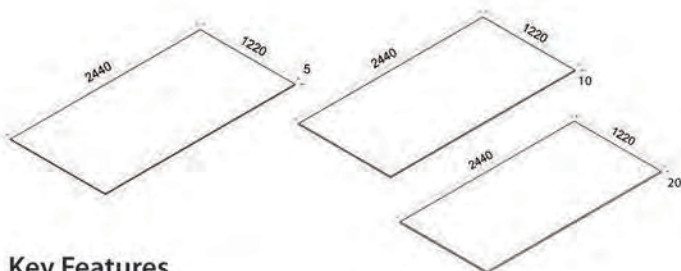


Material Datasheet

envicrete Cement Board Cement Board

STANDARD FINISH

envicrete Cement Board are 100% free from Asbestos. **envicrete Cement Board** is specially designed for use in applications where impact resistance is required in a high humid environment. It is a versatile, economic building board substitute of plywood, cement-bonded particle board, gypsum boards or magnesium boards. It is light weight, robust and moisture resistant. Product Application: Internal Ceiling, External Ceiling partition walls, general external walls/ wet areas, raised floors and elevated floors.



Key Features

	envicrete Board	Ordinary Board	Ply Board
Weather Resistance	★★★	★★	★
Water/Moisture Resistance	★★★	★★	★
Fire Resistance	★★★	★	★
Flexible	★★★	★★	★★
Sound Insulation	★★★	★★★	★★★
Workability	★★	★★	★★
Low Shrinkage	★★★	★★★	★★
Termite & Insect Proof	★★★	★	★★

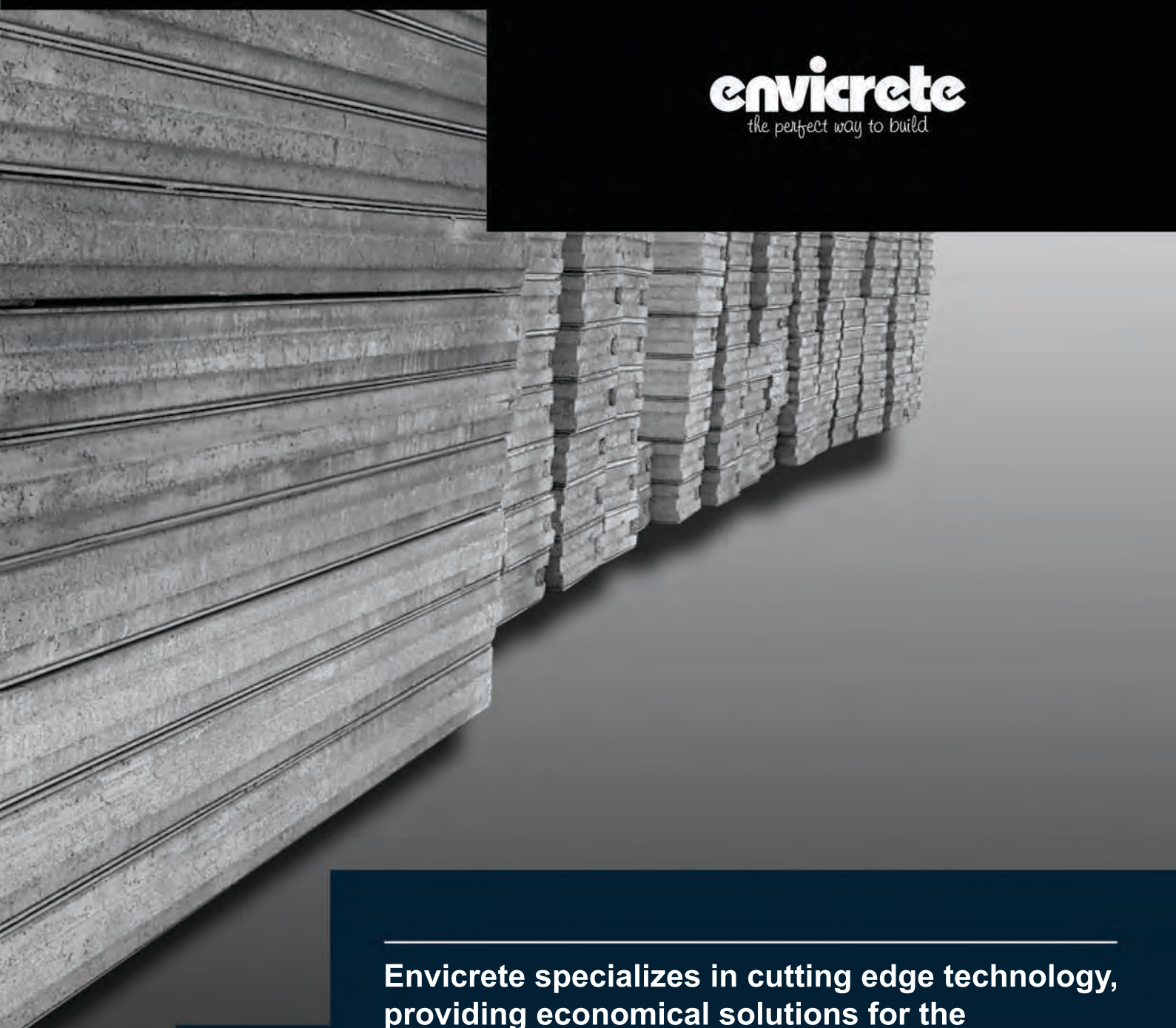
Product Specifications

envicrete Cement Board

Cement Board 100% Asbestos Free.

CATEGORY:	CEMENT BOARD
DENSITY:	ASTM C1185 1.300 ± 50kg/m ²
BENDING STRENGTH:	(Wet Condition) ASTM C1185 >7MPa
THERMAL CONDUCTIVITY:	ASTM C177 0.15W/MK
FIRE-RESISTANT GRADE:	Class A (BS 476 Part 22 32 180 min)
FREEZ/THAW RESISTANCE:	ASTM C1185 PASS
MOISTURE CONTENT:	ASTM C1185 ≤ 12%
SOUNDPROOF RATE:	ASTM E90-97 32 64db
THICKNESS:	5mm-20mm
STANDARD SPECIFICATION:	2440mmx1220mmx5mm 2440mmx1220mmx10mm 2440mmx1220mmx20mm



A large, black and white photograph of numerous concrete slabs stacked in rows, receding into the distance. The slabs have a textured surface with visible horizontal lines.

Envicrete specializes in cutting edge technology, providing economical solutions for the construction industry.

With our manufacturing facilities in North and South of Pakistan we are able to deliver high quality products that bring advanced technology to the construction industry; reducing the carbon footprint of construction at every phase.

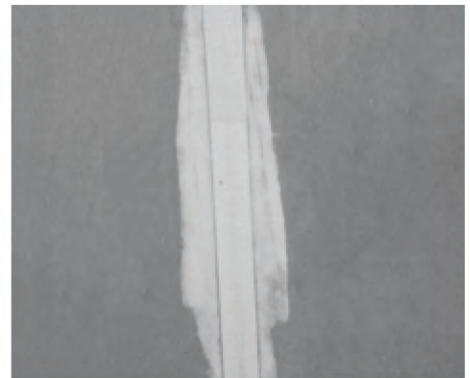
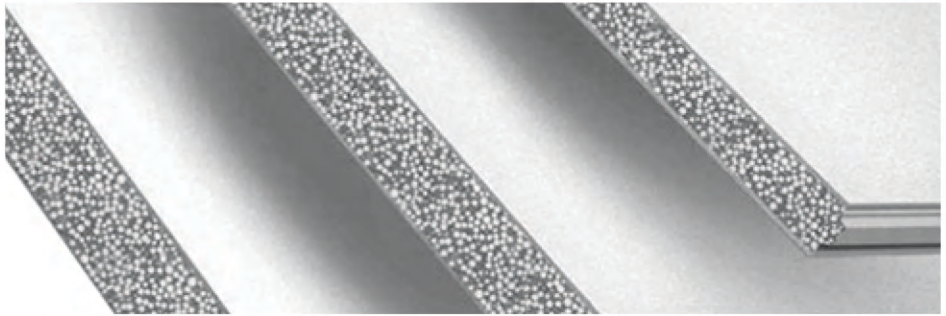
LITEWEIGHT PANELS

Liteweight (LW) Panels for interior and exterior walls and partitions

The LW-Panel is composed of a 6mm envicrete cement board facing with a core of concrete and EPS (expanded polystyrene)

Each panel is 2270mm x 610mm or with thickness options of 2440mm x 610mm

Tongue and groove profiles to interlock each panel



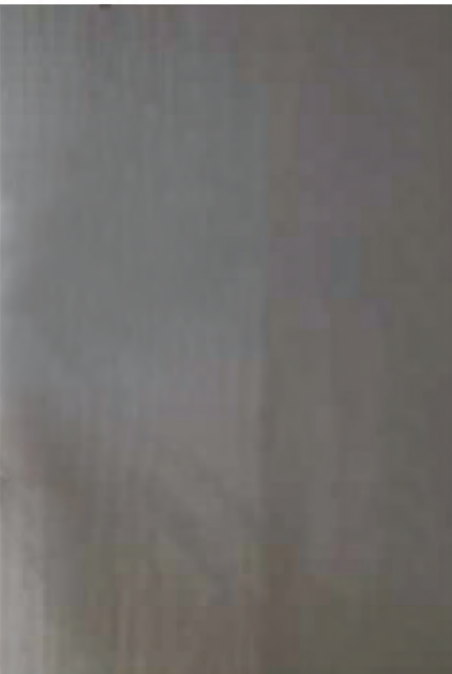
History

The Panel was first developed and patented in the 1970's.

In the beginning of 1990's the Panel was being used across the world mainly in the construction of residential homes.

Today it is widely used throughout the world in all sectors of construction.

With over 30 years of R&D and production, envicrete is proud to be the first and only local supplier of LW panels.



Installation



1

Fix U Channels to floor and ceiling/beam



2

Place the panel in the channel and slide into position



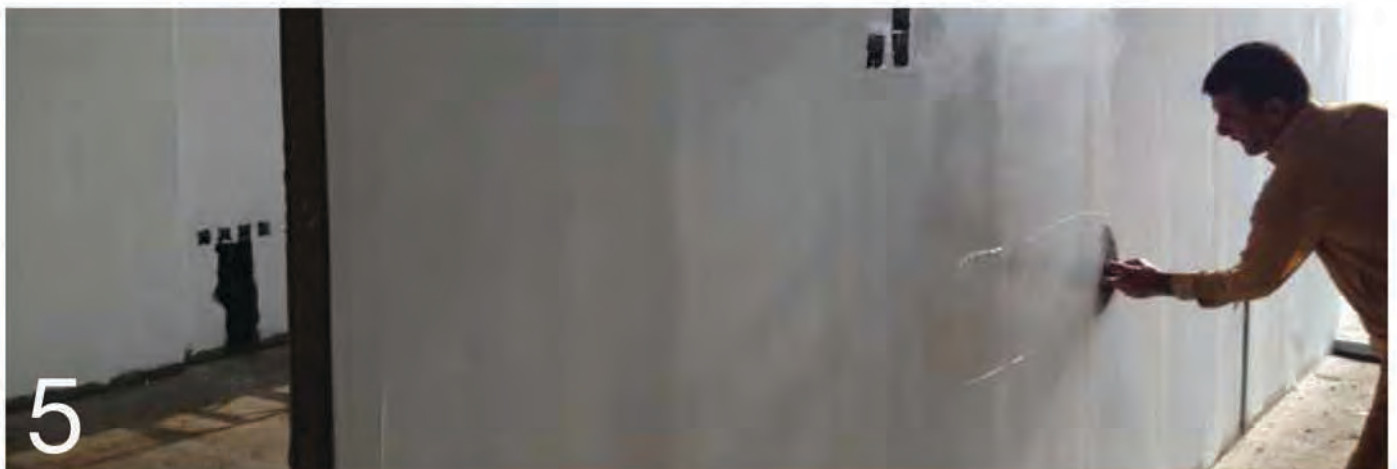
3

Apply adhesive to the mating surfaces and slide the next panel into position



4

Tape LW-Panel joints and fill



5

The LW-Panels are ready to be painted

Advantages



Time Saving

- Up to 10x faster installation than competition



Cost Saving

- Significantly reduced foundation depth
- Fewer labor hours
- Transport efficiency



Quality

- Local manufacturing
- No ripples
- Flat and straight



Safety

- Non-toxic



Sustainability

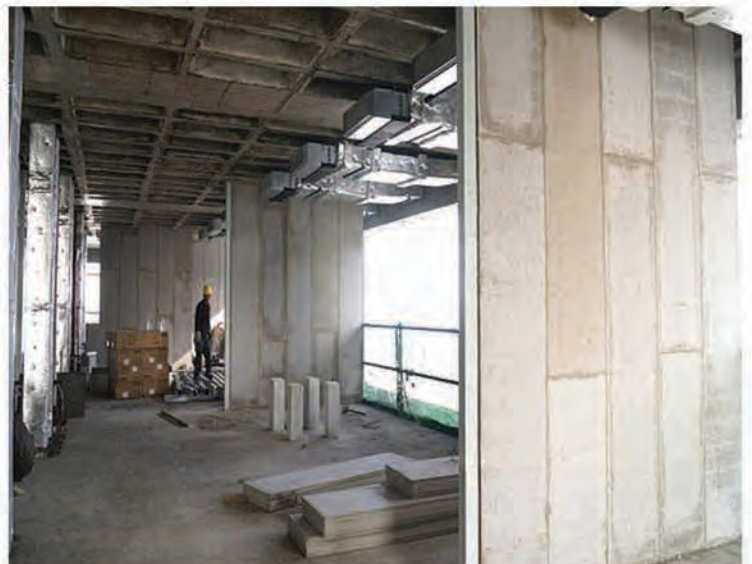
- U-Value < 0.5
- Minimal wastage



Handling

- No wet work/plastering required
- Ready to paint
- Lightweight
- Simple installation





Product Comparisons

	75 mm LW Panel	100 mm LW Panel	150 mm LW Panel	190 mm Hollow Block	190 mm Solid Block
Compressive Strength - WALL SECTION (N/mm²)	5.14			1.3 - 3.5	7 - 12
Direct Pullout (N)	50			12.5 - 25	12.5 - 25
Weight Per m² (Kg)	66	81	112	140 - 180	225 - 560
U Value	< 0.5	< 0.5	< 0.5	2.3 - 2.8	1.8 - 3.7
Fire Rating	2 hrs			Varies	Varies
STC Rating	38	39	42	24	38
Water	Not Affected			Not Affected	
Painting Requirement	2 Coats			4 Coats	
Plaster Requirement	Not required			Required	
Installation Time	Up to 10x Faster than competition			Varies	

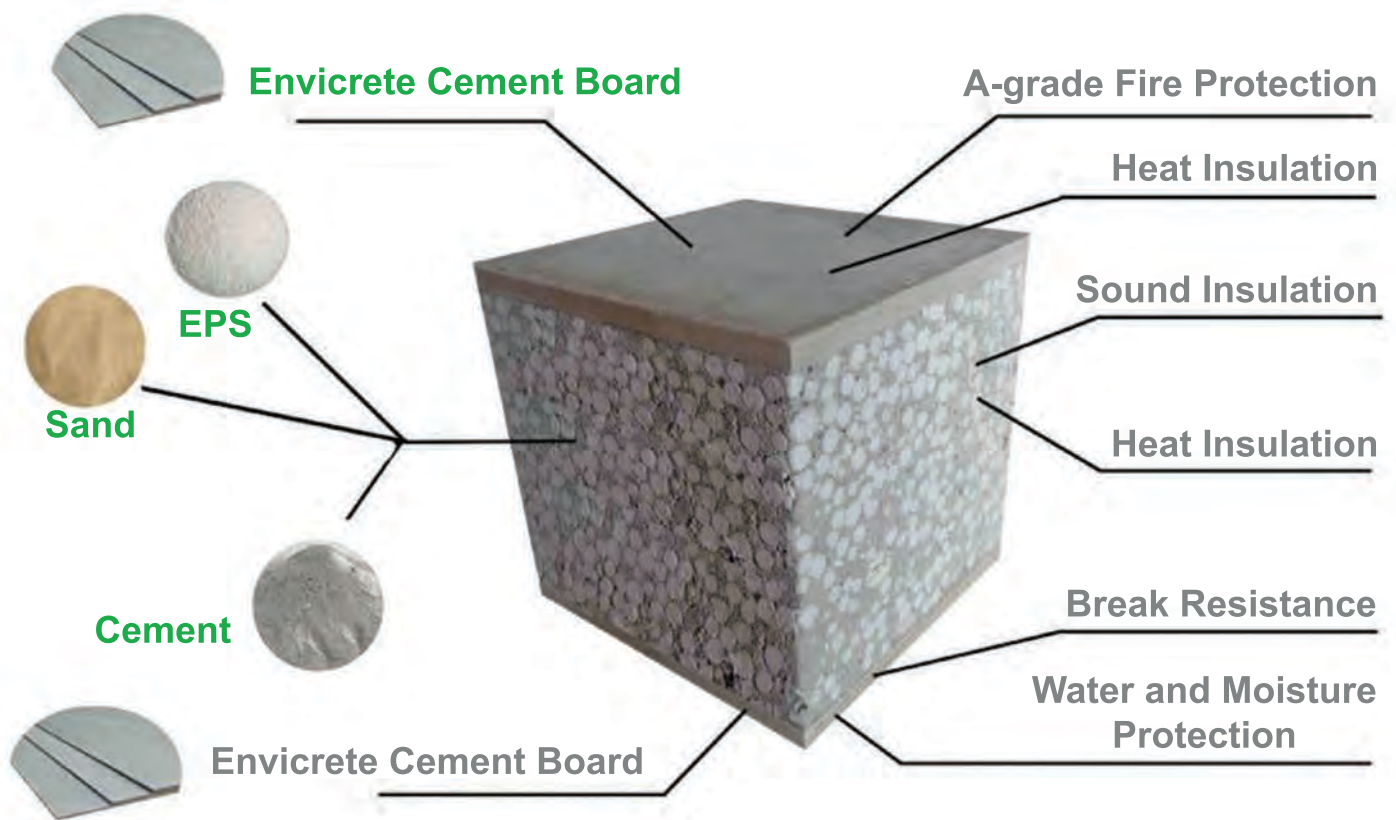
LW Panel offers speed of construction, cost savings in both material and manpower requirements, functionality and adaptability in design, along with outstanding engineering characteristics.



ECO line[®] **LITE** PANELS

BY **envicrete**

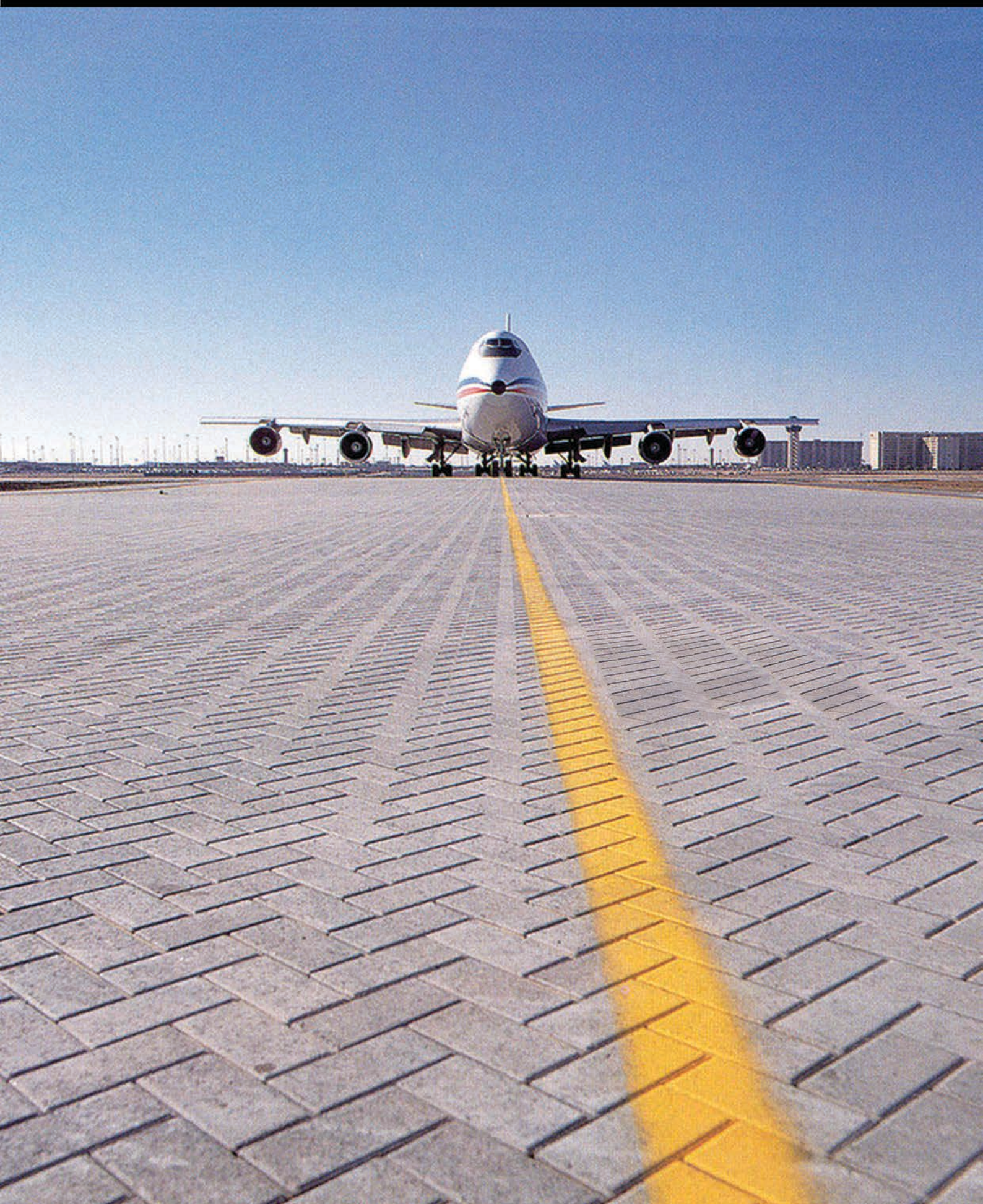
Environmental Protection



High Strength and Shock Resistance



Heavy Duty
Pavement
by
envicrete



envicrete

the perfect way to build



Envicrete Display Centre Main

CL 6/5, Abdullah Haroon Road, (Opp. Hotel Marriott), Karachi
UAN (021) 111 456 567, T (021) 38679031-6

Lahore Office

28-A, Block - XX, Phase III - C, Commercial Area, D.H.A Lahore
UAN (042) 111 456 567, T (042) 3810 2990-2

Islamabad Office

75-East Blue Area, Fazal-ul-Haq Road, Islamabad
T (051) 234 4186, 234 4007, 809 4876, 809 4877, 234 4226
F (051) 234 4009

info@envicrete.com.pk
www.envicrete.com



Follow envicrete on Instagram



Follow envicrete on Facebook