



Pioneers in Pre-Cast Concrete Manufacturing

SINCE 1999



Binola Industrial Area, Haryana

District Samba, Jammu, J&K

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CONCRETE PRODUCTS



# Company Profile

- Our company manufactures a wide range of concrete products such as Pavers, Tiles, Building Blocks, Slabs, Kerbstones, and Wall Claddings etc. With over 23 years of experience, we proudly consider ourselves, not just as a manufacturer, but a true partner for you on your project. Our aim is to equip the customer with knowledge, resources and confidence.





- Unlike other manufacturers who rely upon one manufacturing process to produce all their products, Pave Espania's sophisticated manufacturing facilities include a variety of production lines and processes.
- Our mother plant, located in **Gurgaon**, Haryana houses 2 completely automated plants from ZENITH Germany in addition to various other indigenous machinery and others from all around the world.
- Our plant located in District Samba, **Jammu** houses a fully automated plant from Zenith Germany.
- A fully automated state of the art system (weighing/batching to packaging and delivery).
- ZENITH GmbH is the world leader in concrete product manufacturing machines and Pave Espania now proudly brings you world class products for all your requirements.
- Our Trucks are also mounted with specialized cranes from Palfinger (Austria) to help with damage free delivery at site.

# Machinery and Factory

**PAVE** **ES** **PANIA**  
CONCRETE PRODUCTS



# PAVEESPANIA

CONCRETE PRODUCTS



# PAVEESPANIA

CONCRETE PRODUCTS



# PAVEESPANIA

CONCRETE PRODUCTS





# PAVEESPANIA

CONCRETE PRODUCTS



# PAVEESPANIA

CONCRETE PRODUCTS



*PAVERS*



*KERB-*  
*DRAIN*

*BUILDING*  
*APPLICATIONS*



# PAVERS



## INTRODUCTION

- The new generation of high quality concrete products is here to stay. The trend is being adapted from Europe and other highly developed countries where it is very successful and well accepted.
- Using a unique process of vibration and hydraulic compaction
- In turn imparts high compressive strength and durability
- Easy to add design to monotonous roads
- Versatile pavers with variant designs provide exciting opportunities to landscape architects.

# Advantages

- **Durable** -Superior structural integrity, High strength
- **Economical and Practical** –Low maintenance, subsurface access, skid resistant.
- **Simple Installation** –Ready to use right after installation.
- **Versatile** –Variety of colours, shapes. Blends with old and new surroundings.
- **Attractive** –Adds warmth, aesthetics and elegance.
- **Reusable** – easy to replace damaged tiles
- **Tolerance in Dimensions** –high precision steel molds ensure the quality of the interlock (+/- 2mm tolerance)

**PAVE** **ES PANIA**  
CONCRETE PRODUCTS



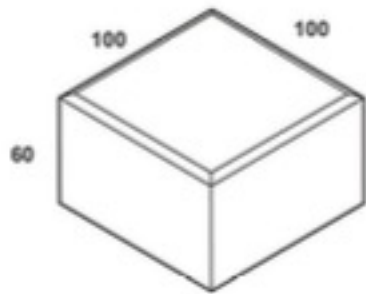


**Pave Espania's dual layer** manufacturing process ensures quality and consistency over the lifetime of the paver.

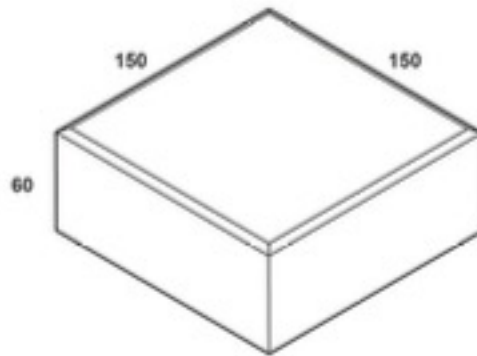
- The cement rich face mix is what provides the paver with the look and texture and is also the wearing layer.
- The face mix wearing layer is consistent to 6mm. (As per IS 15658:2021)
- The base mix of the paver is what provides the strength to the product.
- The face mix is what determines the aesthetics and quality of the paver in the long run as it ensures even abrasion over the entire lifetime.

**Pave Espania's Eco Pavers** offer an ecological solution to man's increasing concern for his environment.

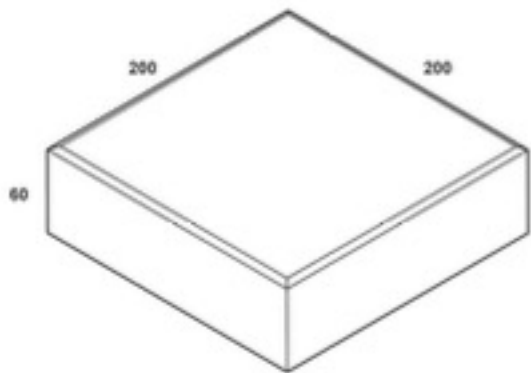
- The problem of putting the moisture from rainfall back into earth rather than letting it run off as waste.
- Also help in gaining LEED points and certification.



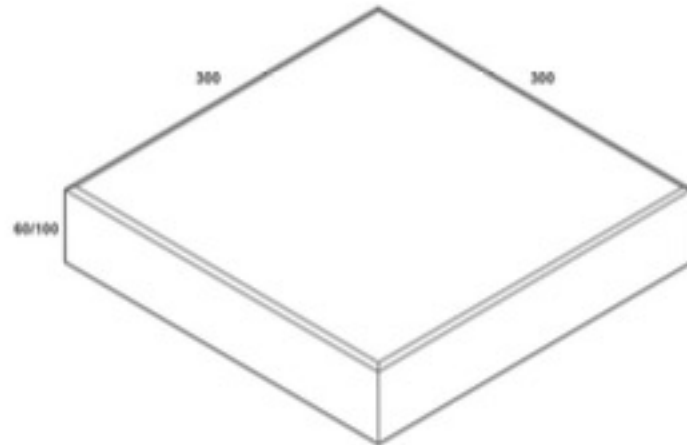
**100 x 100 x 60 mm**



**150 x 150 x 60 mm**

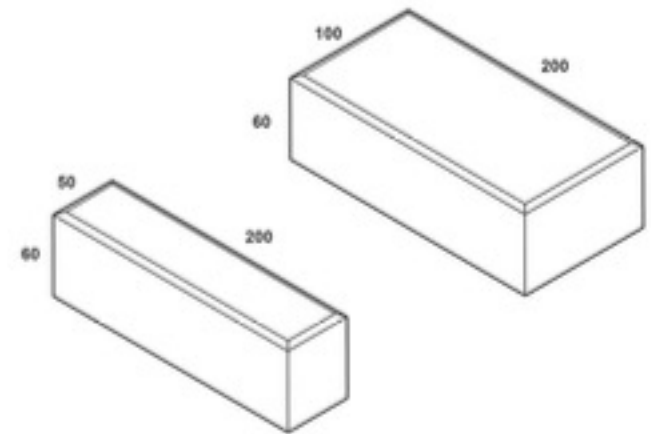


**200 x 200 x 60 mm**

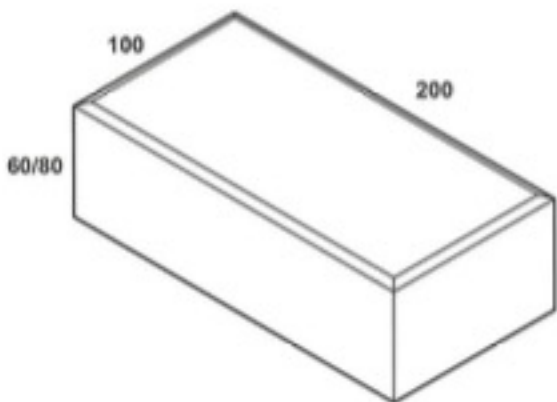


**300 x 300 x 60/100 mm**

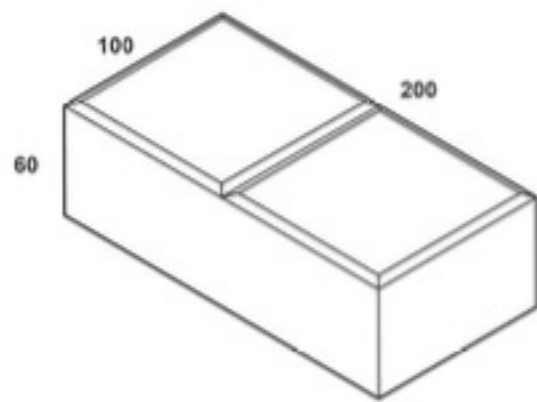
**PAVE** **ES PANIA**  
CONCRETE PRODUCTS



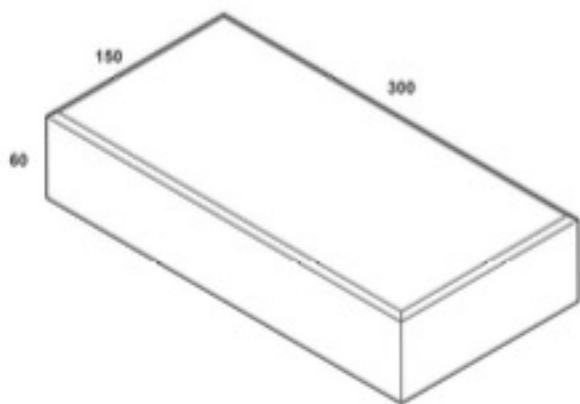
**50/100 x 200 x 60 mm**



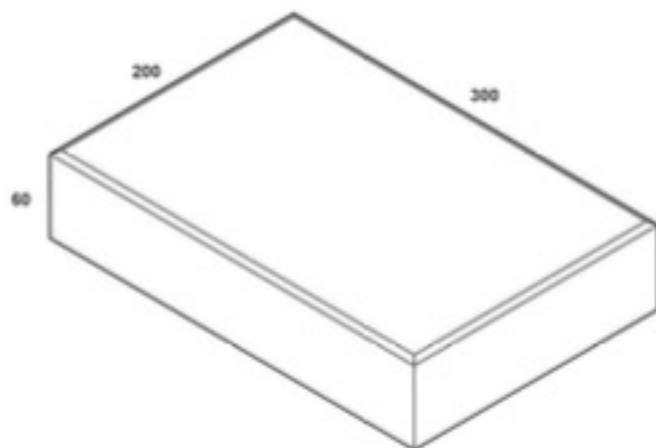
**100 x 200 x 60/80 mm**



**100 x 200 x 60 mm**



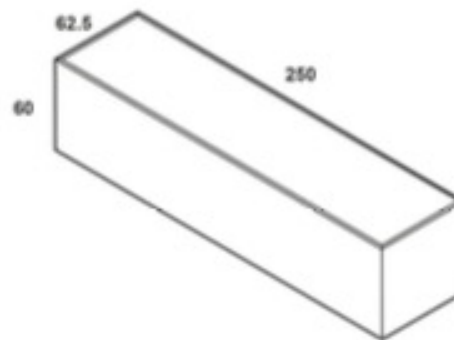
**150 x 300 x 60 mm**



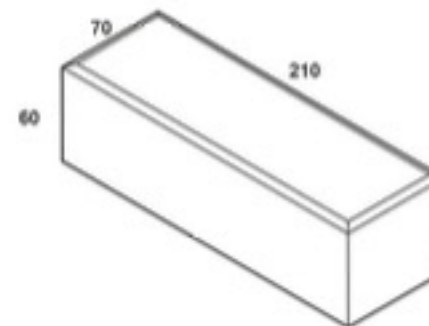
**200 x 300 x 60 mm**

# PAVEES PANIA

CONCRETE PRODUCTS

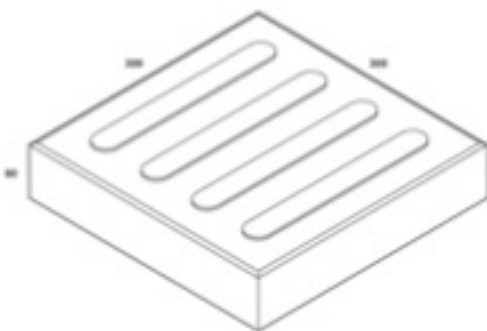


**62.5 x 250 x 60 mm**

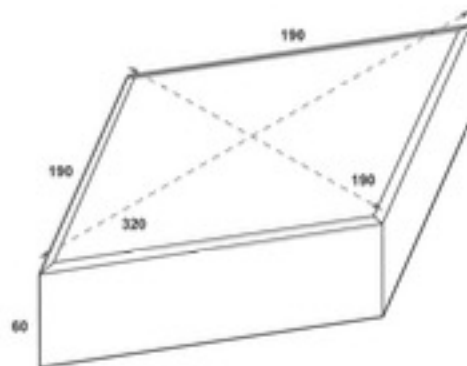


**70 x 210 x 60 mm**

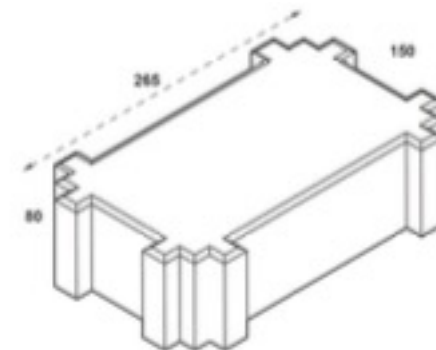




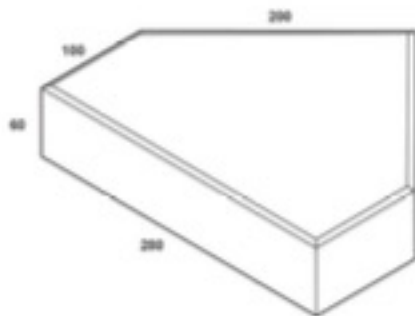
**300 x 300 x 60 mm**



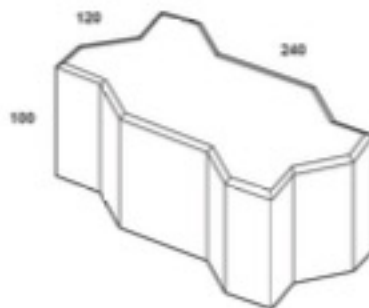
**320 x 160 x 60 mm**



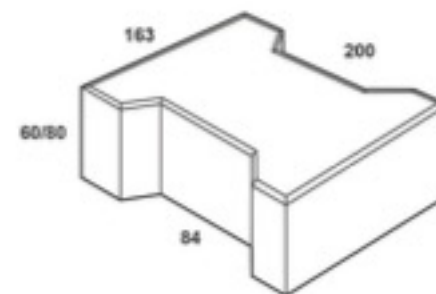
**265 x 150 x 80 mm**



**100/200 x 280 x 60 mm**

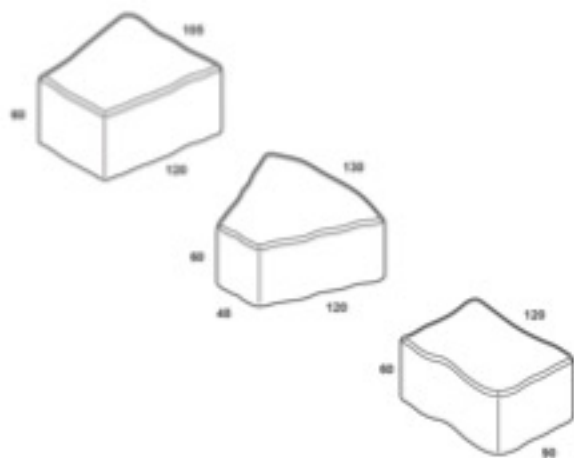


**240 x 120 x 100 mm**

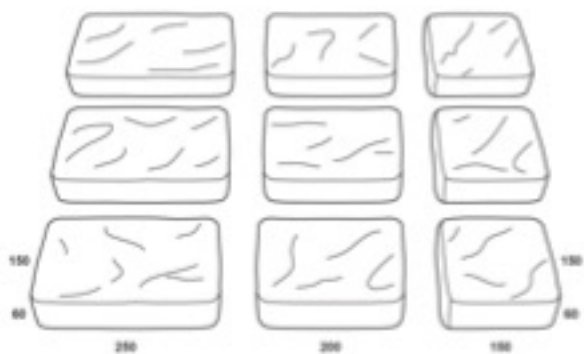


**200 x 163 x 60/80 mm**

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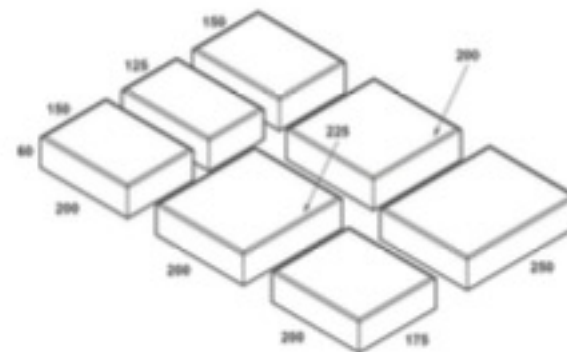
**130/105/90 x 120 x 60 mm**



**150/250 x 150 x 60 mm**

**150 x 200 x 60 mm**

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**250/225/200/175/150/125 x 200 x 60 mm**

# Colors and Finishes



*Rustic*



*Shot Blasted*



*Colour Blended*



GREY BLEND



BEIGE



EARTH BROWN



DULL YELLOW



RED



CHARCOAL BLACK

## Quality Parameters as per IS Code -15658:2006

1	Thickness	60 MM	80 MM	100 MM
2	Edges	Chamfered	Chamfered	Chamfered
3	Finish	Rough Machine Made	Rough Machine Made	Rough Machine Made
4	Tolerance	+/- 2MM on Length & Width and +/- 3MM for thickness, Wearing layer 6MM with tolerance of +/- 2MM	+/- 2MM on Length & Width and +/- 3MM for thickness, Wearing layer 6MM with tolerance of +/- 2MM	+/- 3MM on Length & Width and +/- 4MM for thickness, Wearing layer 6MM with tolerance of +/- 2MM
5	Application Thickness Recommended	Driveway / Walkway / Patio - 60 MM	Driveway / Heavy Vehicular - 80 MM	Driveway / Industrial Heavy Vehicular - 100 MM
6	Compressive Strength	Minimum 350 KG/CM <sup>2</sup> As per IS Code  In case the paver is fixed on sand or mortar it would be able to handle vehicular and occasional heavy weight traffic up to fire tender loads While testing this product would have a 6% correction factor as per IS	Minimum 350-450 KG/CM <sup>2</sup> As per IS Code  In case the paver is fixed on sand or mortar it would be able to handle vehicular and occasional heavy weight traffic up to fire tender loads While testing this product would have a 18% correction factor as per IS	Minimum 350-500 KG/CM <sup>2</sup> As per IS Code  In case the paver is fixed on sand or mortar it would be able to handle vehicular and heavy weight traffic up to fire tender loads . While testing this product would have a 24% correction factor as per IS
7	Bed Preparation	WBM + LEAN PCC (1:2:8 OR 1:5:10), GSB (well compacted).	WBM + LEAN PCC (1:2:8 OR 1:5:10), GSB (well compacted).	WBM + LEAN PCC (1:2:8 OR 1:5:10), GSB (well compacted).
8	Fixing Medium	Mortar 20/25 MM. (1:6) Or Sand with vibratory compaction (min.20mm--max.35mm)	Mortar 20/25 MM. (1:6) Or Sand with vibratory compaction (min.20mm--max.35mm)	Mortar 20/25 MM. (1:6) Or Sand with vibratory compaction (min.20mm--max.35mm)
9	Aspect Ratio	1:4 For fire tender test. (60mm : 240 mm max length)	1:4 For fire tender test. (80mm : 320 mm max length)	1:4 For fire tender test. (100mm : 400 mm max length)
10	Slope/Gradient	Adequate (Minimum 2% Preferably 3%) With Drainage Facility.	Adequate (Minimum 2% Preferably 3%) With Drainage Facility.	Adequate (Minimum 2% Preferably 3%) With Drainage Facility.
11	Grouting	Dry fine sand to be swept over pavers after fixing.	Dry fine sand to be swept over pavers after fixing.	Dry fine sand to be swept over pavers after fixing.
12	Edge Restraint	Kerbstone or Retaining wall	Kerbstone or Retaining wall	Kerbstone or Retaining wall

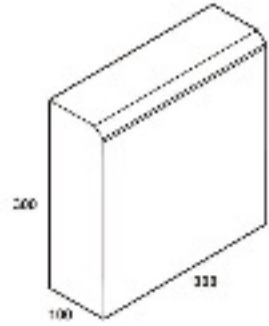
# KERBS AND DRAINS



## INTRODUCTION

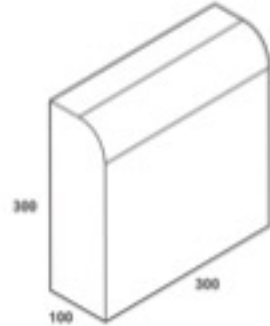
- The new generation of high quality concrete products is here to stay. The trend is being adapted from Europe and other highly developed countries where it is very successful and well accepted.
- Using a unique process of vibration and hydraulic compaction on German Machinery
- Pave Espania offers fully coloured kerbs and drains.
- Jointless kerbing and drains without a taper angle ( Hence no mortar is required in between the pieces)
- Versatile Kerbs and drains with variant designs provide exciting opportunities to landscape architects.





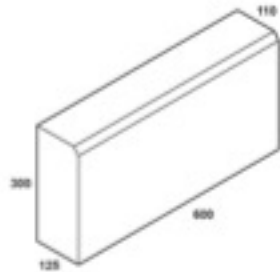
**BULLNOSE 300**

**300 x 300 x 100 mm**



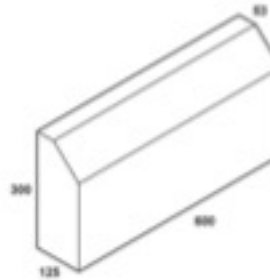
**ROUNDED 300**

**300 x 300 x 100 mm**



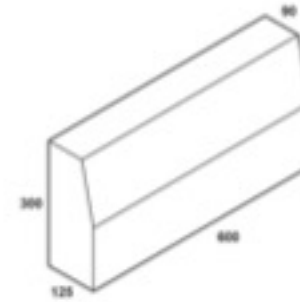
**BULLNOSE 600**

**600 x 300 x 125 mm**



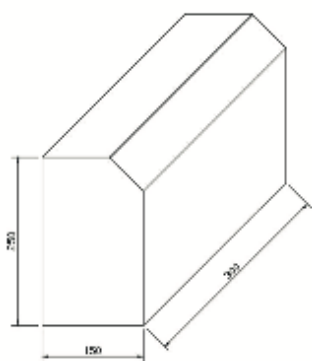
**SPLAY 600**

**600 x 300 x 125 mm**



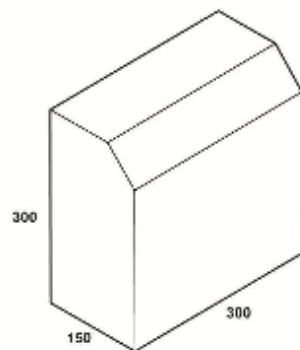
**FULL BATTER 600**

**600 x 300 x 125 mm**



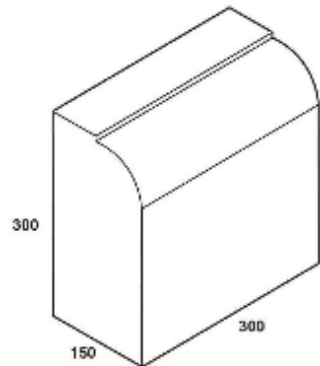
**SPLAY 250**

**300 x 250 x 150 mm**



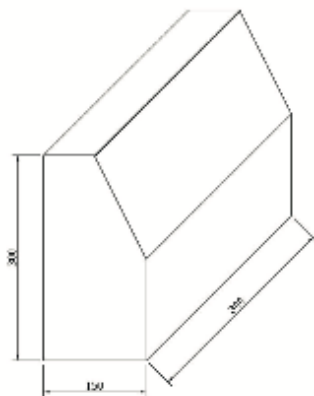
**SPLAY 300**

**300 x 300 x 150 mm**



**ROUNDED EDGE 300**

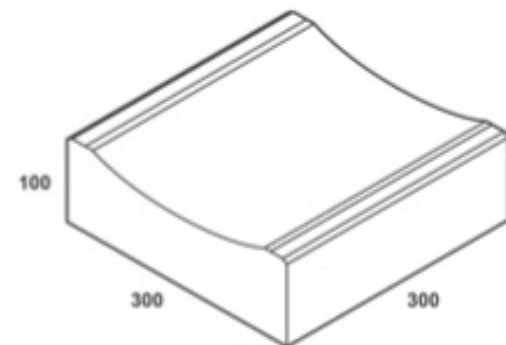
**300 x 300 x 150 mm**



**FULL BATTER 300**

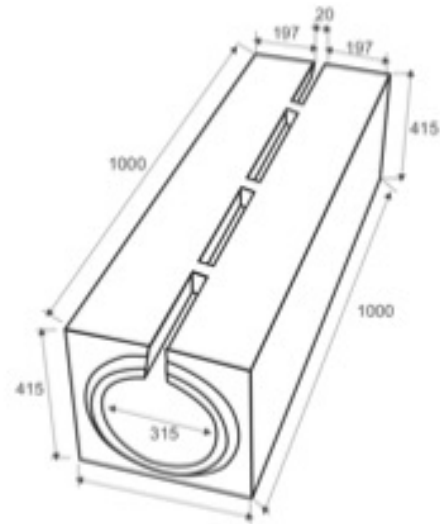
**300 x 300 x 150 mm**

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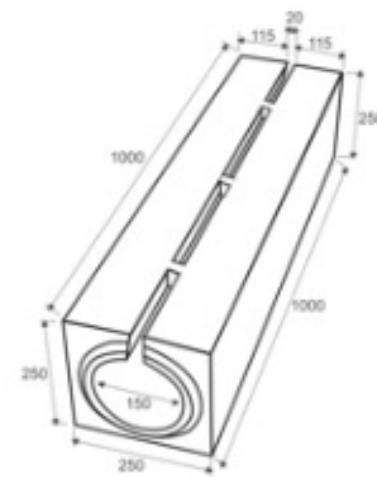


**DRAIN CHANNEL**

**300 x 300 x 100 mm**



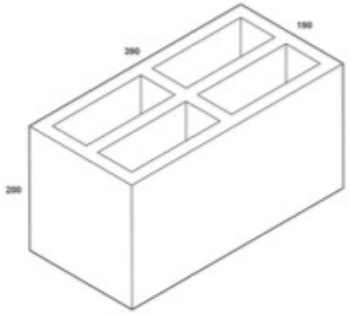
**415 x 415 x 1000 x 315 (d) mm**



**250 x 250 x 1000 x 150 (d) mm**



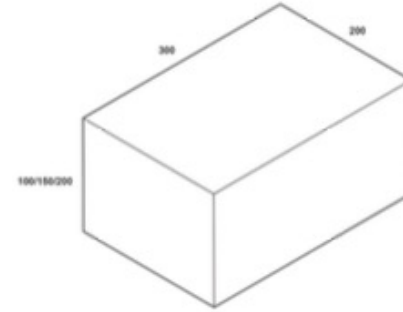
# BUILDING APPLICATIONS



## HOLLOW BLOCKS

Hollow Concrete Blocks have open or closed cavity and can be used in the construction of load-bearing and non-load bearing partition walls.

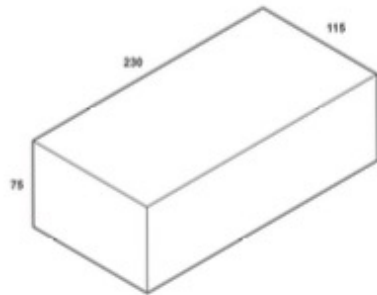
**Dimensions (mm) : 190 x 390 x 200**



## SOLID BLOCKS

Way denser and bigger than concrete bricks, solid concrete blocks are manufactured to be strong, heavy, and created out of naturally dense aggregates.



**Dimensions (mm) : 200 x 300 x  
100/150/200**





## FLY ASH BRICKS

Fly ash bricks are hi-tech well-improved quality bricks used for construction of brick masonry structures. They are used as replacement for normal clay bricks and have better properties in comparison.

**Dimensions (mm) : 115 x 230 x 75**

PLC AUTOMATED SYSTEM	WET CAST MANUAL SYSTEM
High strength products	Substantially lower strength
<p>Uses a semi-dry concrete and therefore minimises water cement ratio (<math>w/c &lt; .35</math>).</p> <p>Raw materials are dosed by batching plants to ensure consistency and strength.</p> <p>Automated dosing of: Cement, sand, aggregates, water and chemicals.</p>	<p>Uses wet concrete.</p> <p>Raw materials are added into the cement mixer by unskilled labour and there are no controls to ensure the correct design mix/ strength.</p> <p>Manual dosing of: Cement, sand, aggregates, water as per labors judgment:</p>
<p>Raw materials are mixed in planetary mixers that have multiple mixing arms to ensure thorough mix of all raw materials.</p> 	<p>Raw materials are mixed in pan and drum mixers that are now outdated but yet being used.</p> 

# COMPARATIVE

<b>PLC AUTOMATED SYSTEM</b>	<b>WET CAST MANUAL SYSTEM</b>
<p>Moulds are high-grade steel and relatively expensive. (Rs. 3-6 lakhs). One mold is cast from one solid block of steel ensuring consistency and long lifecycles.</p> <p>The high precision moulds do not deform and produce consistent size of products. The finish of pavements come out extremely even.</p> 	<p>Moulds are extremely cheap (Rs.35-1000) and made of polyurethane or ABS plastic. One mold is used to cast one paver at a time.</p> <p>Plastic/ PVC moulds deform very quickly and start producing deformed products with complete inconsistency in sizes.</p> 

## PLC AUTOMATED SYSTEM

In our MASA/Zenith type machines ,  
Hydraulic pressure is coupled with  
very strong vibration resulting in  
highly dense and high strength  
products.



## WET CAST MANUAL SYSTEM

Uses only vibration with liquid  
concrete filled in rubber moulds. The  
compressive strength of products is  
always a big question.



## PLC AUTOMATED SYSTEM

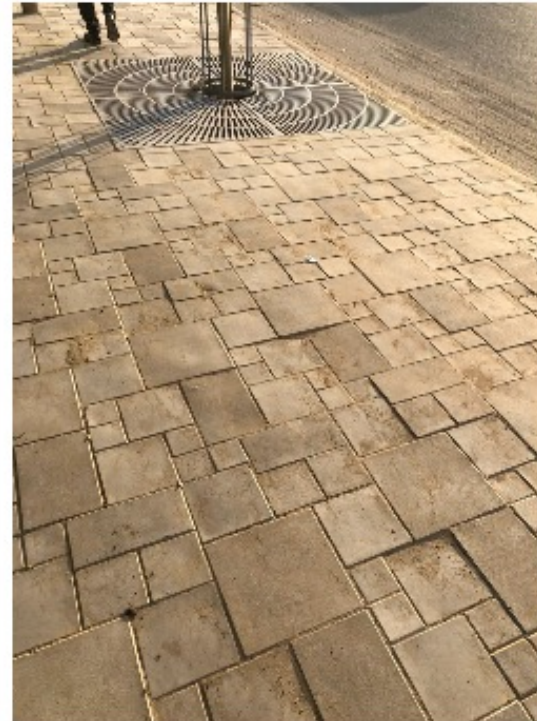
All faces of the finished product are moulded in the machine (including the bottom surface). Product dimensions are highly accurate.





(Even settling due to dimensional accuracy on all faces)


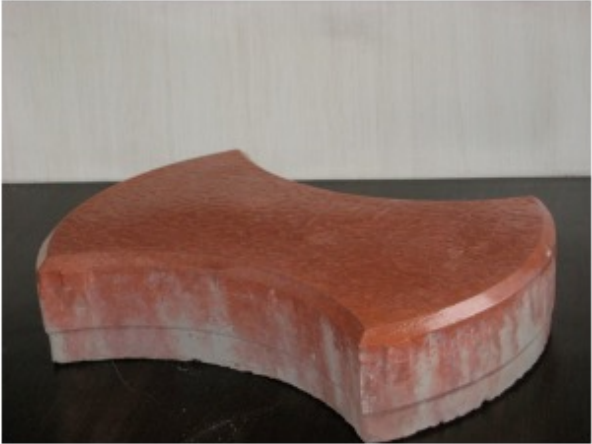
## WET CAST MANUAL SYSTEM

Products always have one unmoulded face (bottom surface). Product dimensions cannot be guaranteed due to variable settlement of concrete.



(uneven settling due to dimensional inaccuracy on all faces)

<b>PLC AUTOMATED SYSTEM</b>	<b>WET CAST MANUAL SYSTEM</b>
<p>Kerbstones/Drain Channels do not require any jointing mortar in between each piece . This gives a much superior look without the ugly mortar patches. They can be made in any color of concrete to match the color and finish of the paving material</p> <p>Since each side meets at a 90 degree angle. This reduces construction and curing time immensely.</p>	<p>Kerbstones/Drain Channels require mortar in between every joint as the sides do not meet at 90 degree angles. This cause ugly mortar patches between each piece. High maintenance as concrete always looks dirty.</p> <p>Construction and curing time takes much longer.</p>
	
<p>(jointless kerbstones)</p>	<p>(kerbstones must be fixed with jointing mortar)</p>

<b>PLC AUTOMATED SYSTEM</b>	<b>WET CAST MANUAL SYSTEM</b>
<p data-bbox="517 415 1207 751">Consistent quality, monitored to ensure compliance with national/international standards. Each product is made with dual layer to ensure a far longer lifecycle of the paver. The top layer (wearing layer) is consistent throughout the product.</p> 	<p data-bbox="1258 415 1949 901">Variable quality – national/international standards virtually non-existent. Even if the product is made with a dual layer, the process is not able to ensure longer product lifecycle. There is no consistency in the top layer of the product as it runs off onto the sides, causing the top layer (wearing layer) to get minimized in thickness)</p> 

## PLC AUTOMATED SYSTEM



Densely packed concrete with 10mm and below aggregates. Substantial top layer for wearing surface.

## WET CAST MANUAL SYSTEM



20 mm aggregates used. (against the IS standard). Top layer is non existent



# R&D and TESTING LAB

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# ACCREDITATIONS



ISO 14001 : 2015 (Environmental Standards)



ISO 9001 : 2015 (Quality Management Standards)



# ACCREDITATIONS

**CRISIL**  
An S&P Global Company

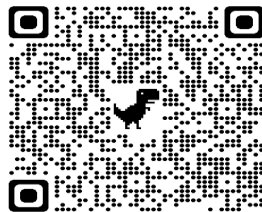
## CRISIL SME Grading

Pave Espania , New Delhi  
has been awarded SME Grading of



On May 26, 2023 and valid till May 24, 2024

The grading indicates '**Highest**' level of Creditworthiness, adjudged in relation to other SMEs.



A handwritten signature in black ink, appearing to read "Binaifer F. Jehani".

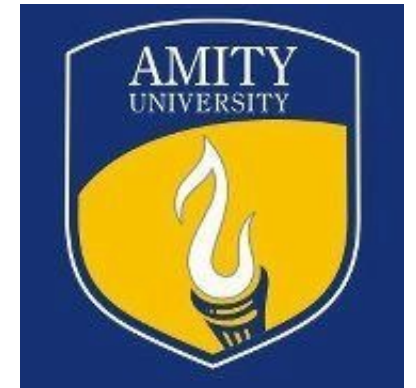
Binaifer F Jehani  
Business Head - SME Solutions

SME Grading ID: 2023/134364  
Validation of the grading can be verified on [www.crisil.com](http://www.crisil.com)

# A FEW OF OUR CLIENTS



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