



الاهلية للأنترلوك ذ ذ م
National Interlock



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About

National Interlock

NATIONAL INTERLOCK is an integral part of the NATIONAL group of companies in Umm-Al-Quwain and has a long history in the manufacturing field of precast concrete products. Established in 1998, we are the pioneers in the constructions industry and have been producing different concrete products of superior quality. National Interlock is fully committed to meeting the client requirements no matter what. Be it Paving blocks, Precast slabs or Kerb stones, you can count on us for unique designs and patterns. One can select from a wide range of blocks manufactured in different sizes. Whatever may be your choice you can completely rely on us for your blocks. Coloured or Non-Coloured, we got you covered.

Our blocks contain water-proofing agents that can act as a saviour at times. Pledging on good strength and life, we aim to exceed customer expectations by offering them the best. With a Production Capacity of 1500 Sqm / Day, we make use of sophisticated machinery. We don't tolerate compromises when it comes to our blocks. Raw materials and resources for all our products are checked and analysed thoroughly in each stage of the manufacturing process. Armed with a full-fledged laboratory, we ensure regular quality checks throughout the process - from the raw materials to the end product.

Our paving blocks strictly adhere to the prescribed BS standards and local municipal standards. We use high-quality industry-approved Type 2 cement, a combination of sulphate resistance cement



and ordinary portland cement unless specified for them. Similar quality is maintained in the case of rest of the raw materials like aggregates, water, pigments and admixtures.

Talking about the varieties of paving blocks, we are fully equipped with patterns ranging from Rectangular, Big Rectangular, Square, Uni Decor, Behaton, Florendo, Quadro, Dosex, La-Linia and so on. Customers can select the blocks according to their heart's desire. Just like paving blocks, we don't take our Kerb stones for granted as well. We specialise in half battered, flush and bull nose stones and are produced in several sizes and lengths.

We are backed up by a workforce of 40 employees who are highly qualified and skilled. NATIONAL INTERLOCK thrives on their expertise. We firmly believe that superior quality, service and competitive prices are the keys to our success. The management continuously put their efforts into the best services and consistency in quality. In addition, a strong sales network is always ready to serve you.

PRODUCT RANGE



PAVING BLOCKS

Wide variety of shapes and sizes of blocks produced in sizes 60 mm and 80 mm in different colors as per BS standards and local municipal standards.



KERB STONES

Different sizes of stones with any length in H. Battered, Bull nose and flush types are made on hydraulic press with high compressive strength satisfying BS.



BUILDING BLOCKS

The workhorse of concrete masonry has traditionally been stretcher bond blockwork forming structural, fire and acoustic functions from residential to large commercial buildings as well as the special use in retaining walls.



PAVING BLOCKS

Colored and non-colored concrete paving blocks produced in thickness 60 mm for sidewalks and foot-paths and thickness 80 mm for vehicular areas.

SPECIFICATIONS

CEMENT

The cement used in the manufacturing of the paving blocks is type II, a combination of sulfate resistance cement and ordinary Portland cement unless specified, for purely SRC in accordance with 400-420 kg/cm³



WATER

The water used for producing and for curing paving blocks is potable drinking water supplied by local municipal authorities, which is free from salts and silicates.

PIGMENTS

The pigments used are dry, soft and free of any harmful chemical compounds, and are a maximum of 10% to cement weight.



AGGREGATES

The aggregates used in the manufacturing of paving blocks are from crushed rocks and from approved sources, conforming to the requirements of BS882, and are free from harmful substances such as coal, mica, clay etc tested according to BS812 standard. Coarse aggregates and fine aggregates are used in defined proportions to get maximum density of the block. The ratio generally falls in between 1:3, Coarse to fine aggregates. Water absorption for coarse aggregates shall be maximum 1.5% and for fine aggregates shall be 2.5%.

ADMIXTURES

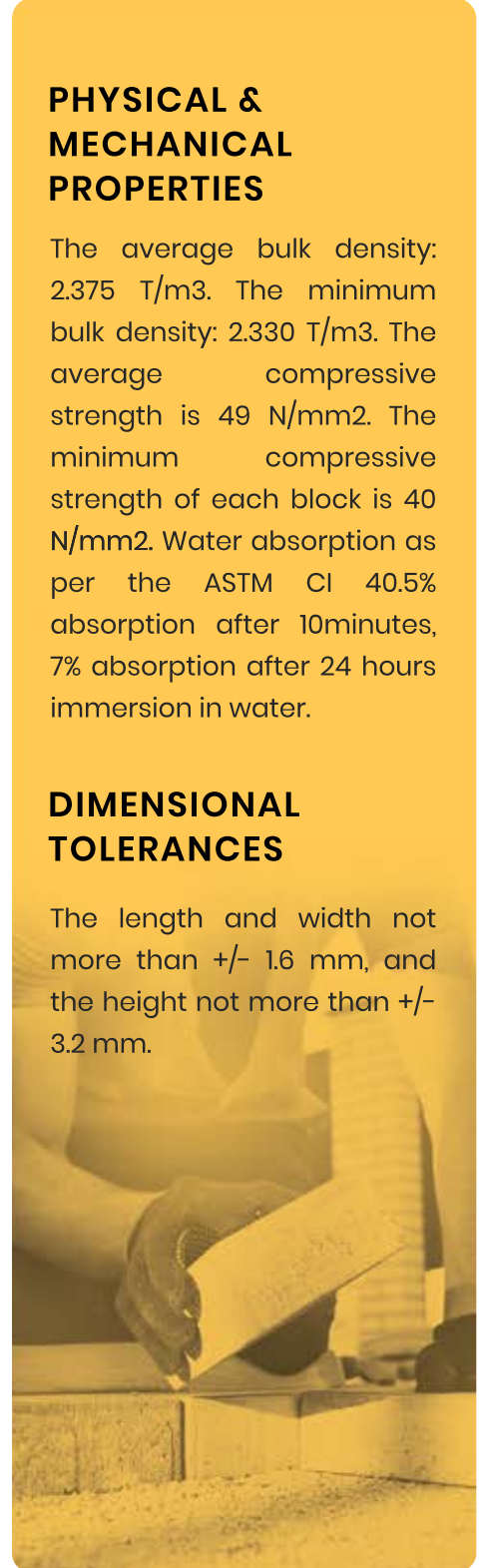
Admixtures are added to the concrete to enhance the quality and properties of concrete complying BS575.


PHYSICAL & MECHANICAL PROPERTIES

The average bulk density: 2.375 T/m³. The minimum bulk density: 2.330 T/m³. The average compressive strength is 49 N/mm². The minimum compressive strength of each block is 40 N/mm². Water absorption as per the ASTM C140.5% absorption after 10 minutes, 7% absorption after 24 hours immersion in water.

DIMENSIONAL TOLERANCES

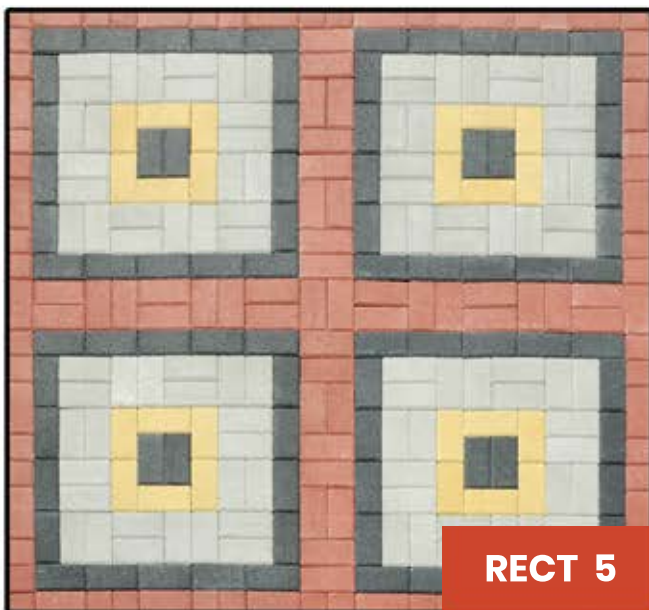
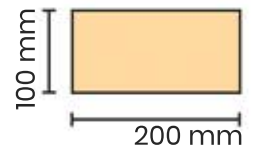
The length and width not more than +/- 1.6 mm, and the height not more than +/- 3.2 mm.



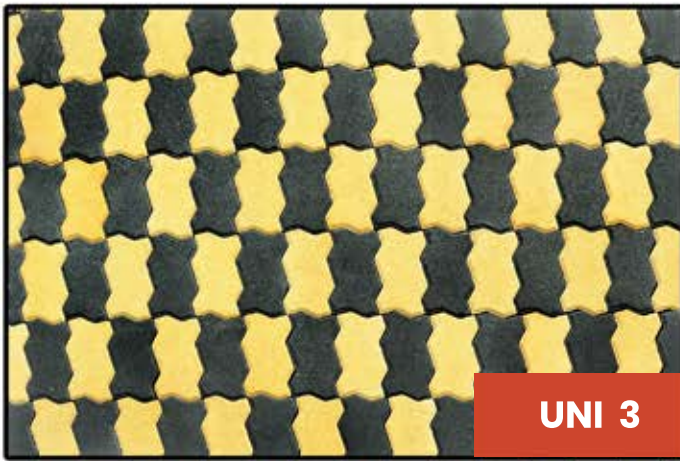
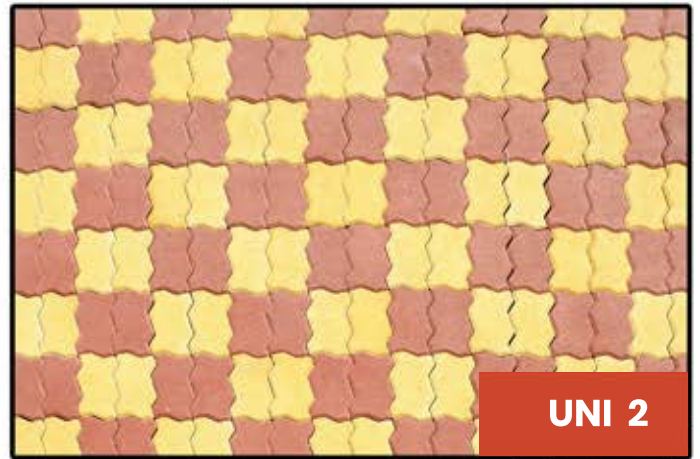
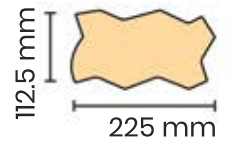
NAME	SHAPE	THICKNESS
Uni-Block		60 mm & 80 mm
Rectangular		60 mm & 80 mm
Octagonal		60 mm
Cube		60 mm
Quadro		60 mm
Behaton		60 mm
Uni-Decor		60 mm
Dosex		60 mm
Florendo		60 mm
Square		60 mm
3D Rhombus		60 mm
Big Rectangular		60 mm
Bishop		60 mm

NOTE: The following pattern colors are purely generated by computer. The real colors of the blocks shall be checked with our samples.

RECTANGULAR

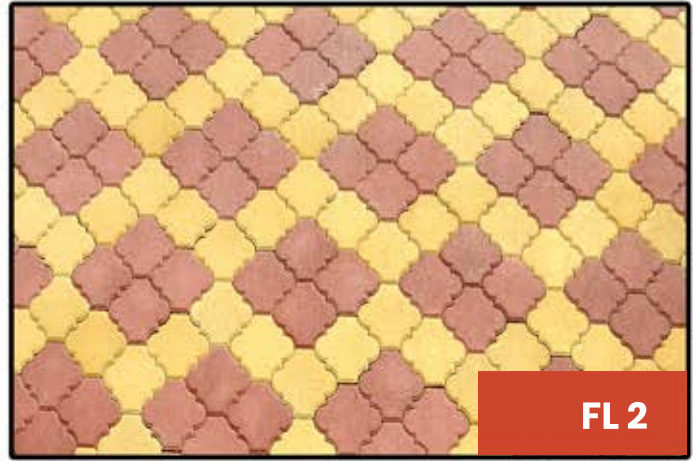
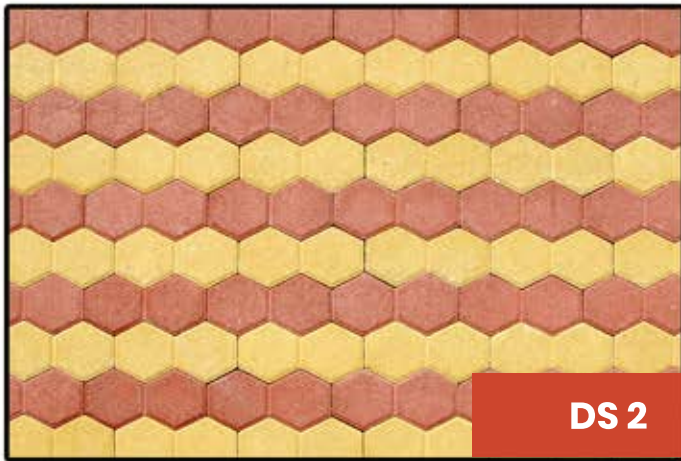
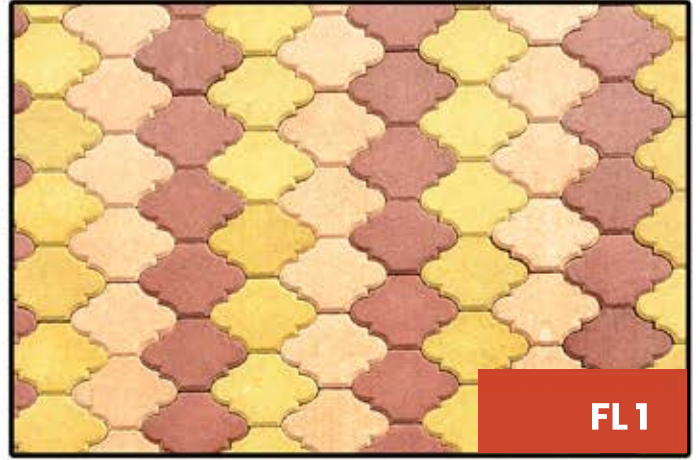
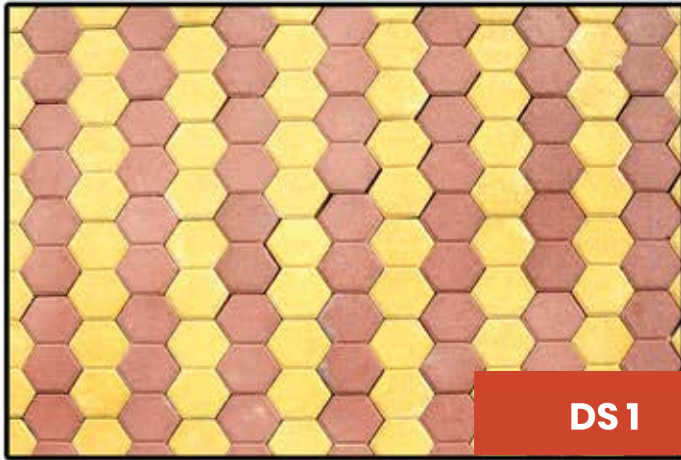
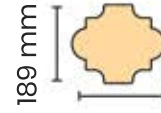
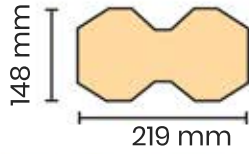


The above colours are only indicative. Please refer to samples for actual colours.

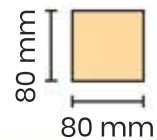
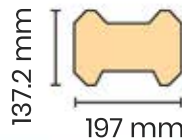


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DOSEX & FLORENDO

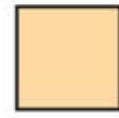


OCTOGONAL, QUARDRO & CUBE

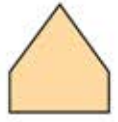


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LA-LINIA



20x20 cm



20x10x28.2 cm



LA 1



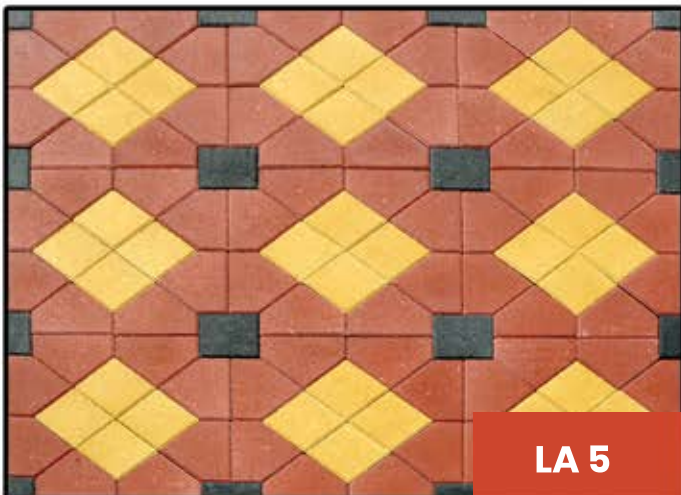
LA 2



LA 3



LA 4



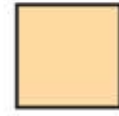
LA 5



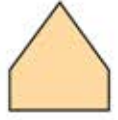
LA 6

The above colours are only indicative. Please refer to samples for actual colours.

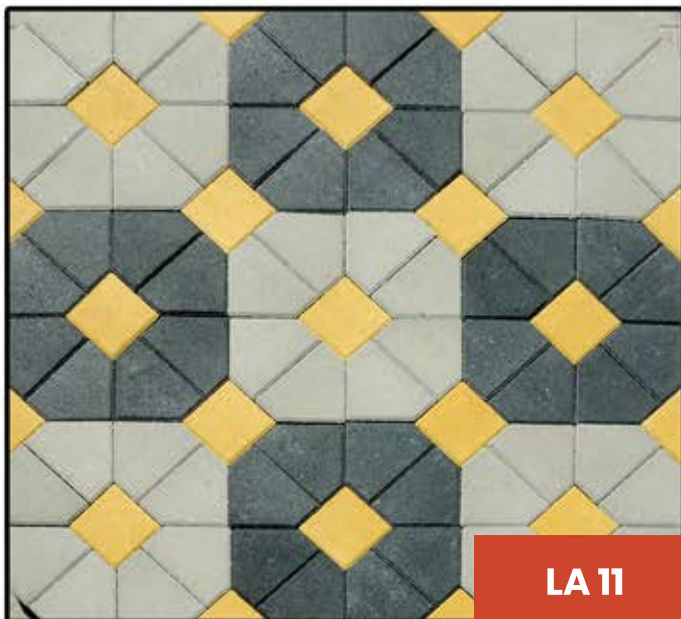
LA-LINIA



20x20 cm

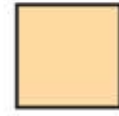


20x10x28.2 cm

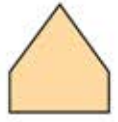


The above colours are only indicative. Please refer to samples for actual colours.

LA-LINIA



20x20 cm



20x10x28.2 cm



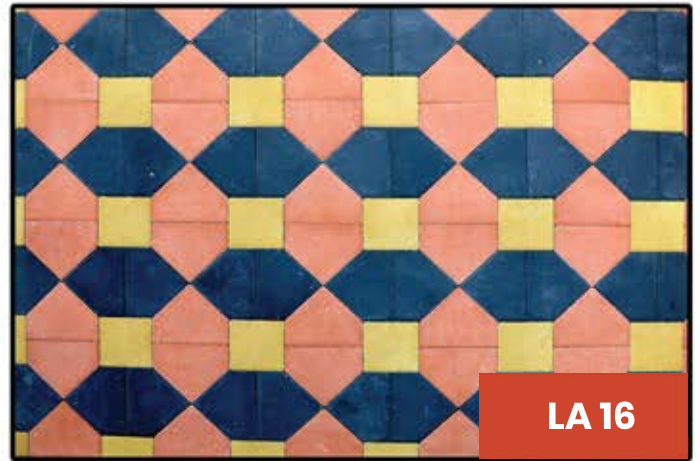
LA 13



LA 14



LA 15



LA 16



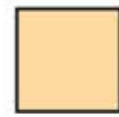
LA 17



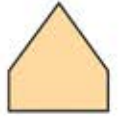
LA 18

The above colours are only indicative. Please refer to samples for actual colours.

LA-LINIA



20x20 cm



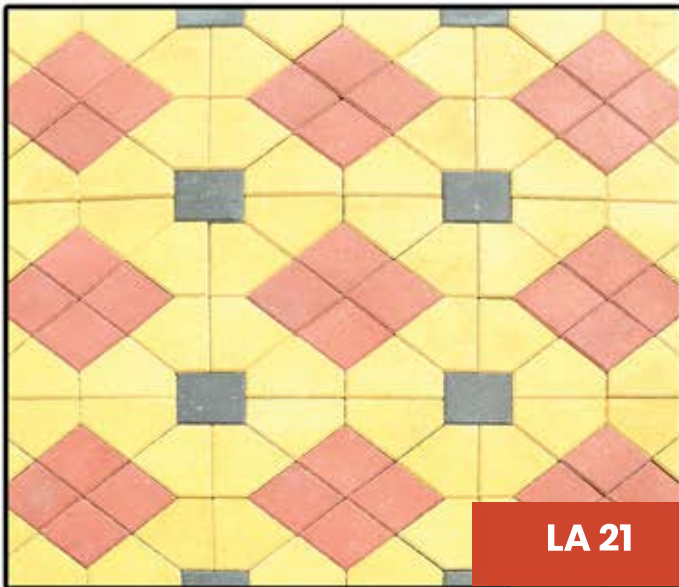
20x10x28.2 cm



LA 19



LA 20



LA 21



LA 22



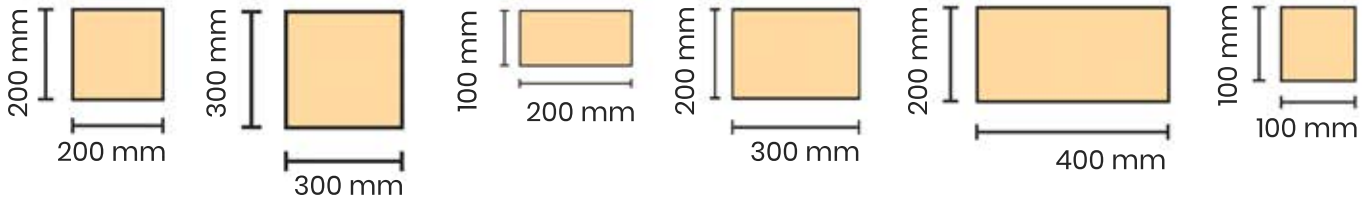
LA 23



LA 24

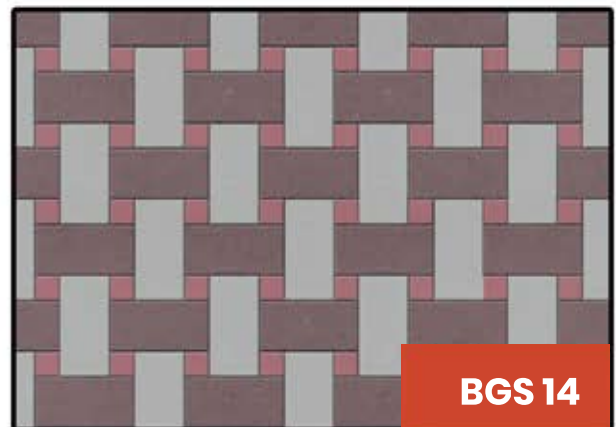
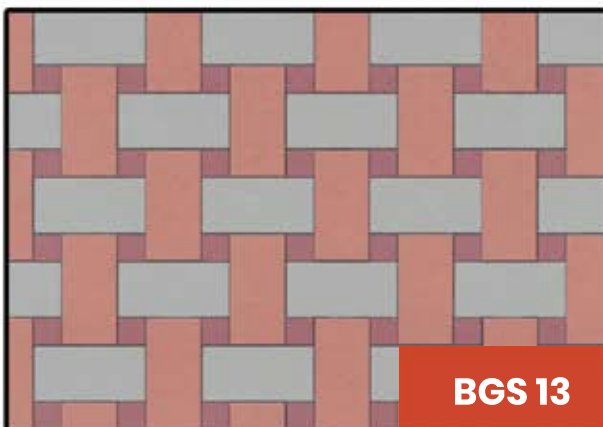
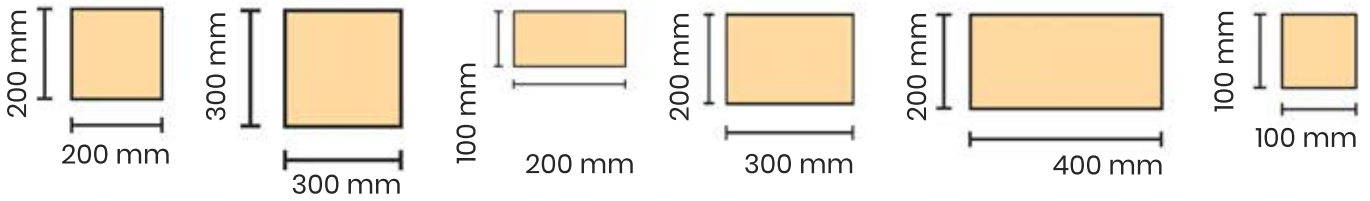
The above colours are only indicative. Please refer to samples for actual colours.

SQUARE, RECTANGLE, BIG RECTANGLE & CUBE



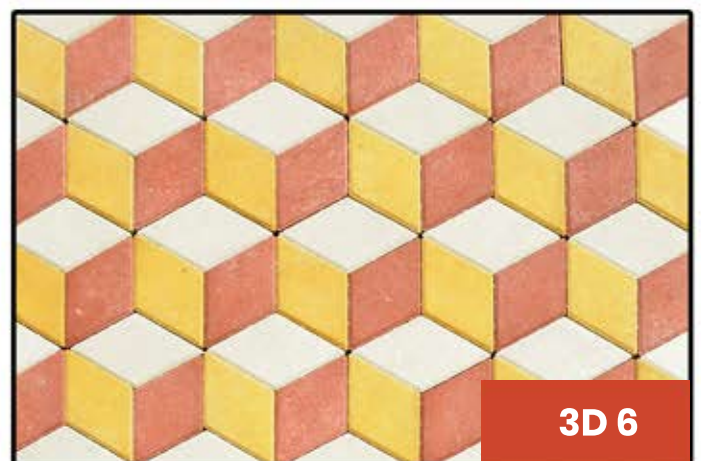
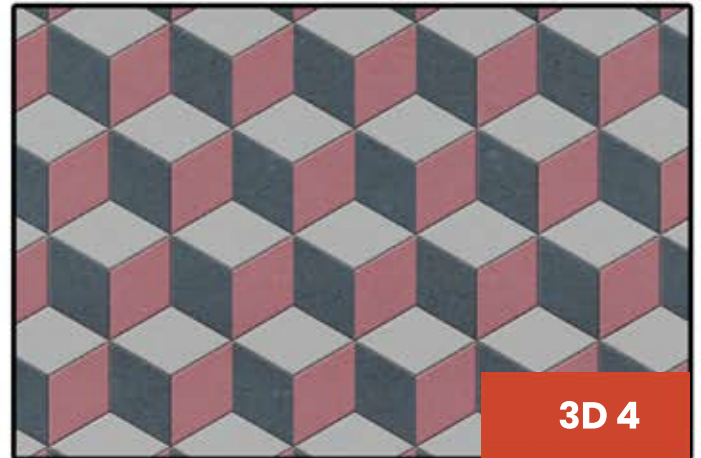
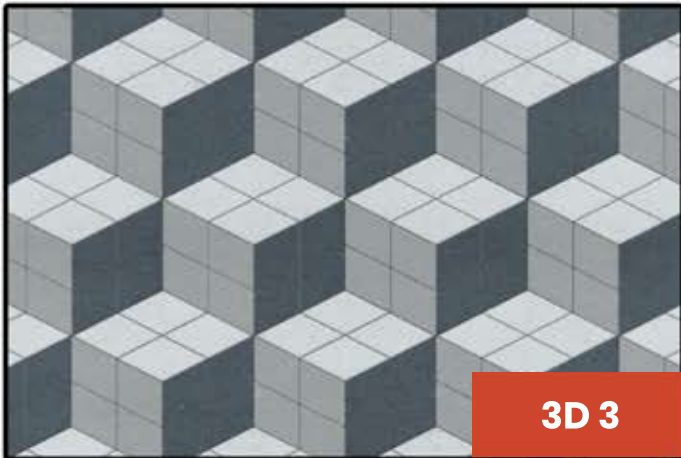
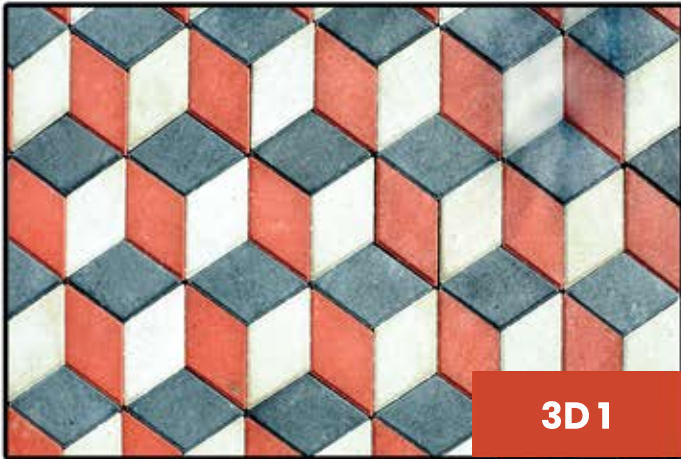
The above colours are only indicative. Please refer to samples for actual colours.

SQUARE, RECTANGLE, BIG RECTANGLE & CUBE



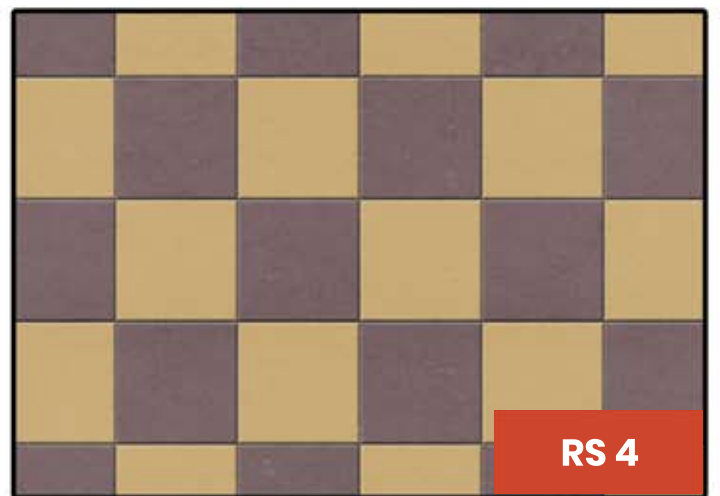
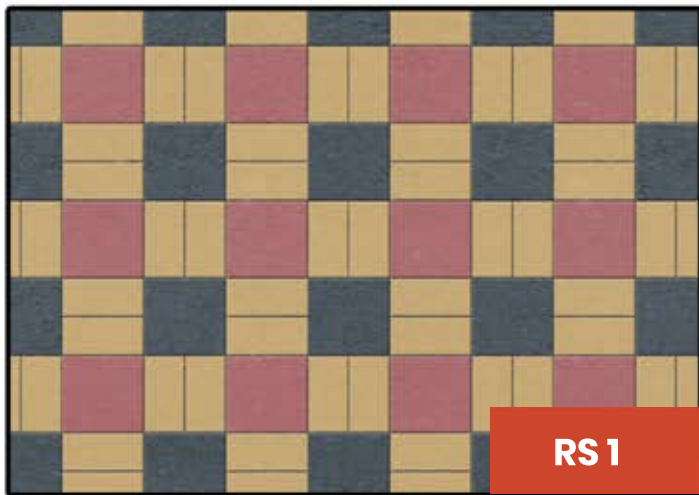
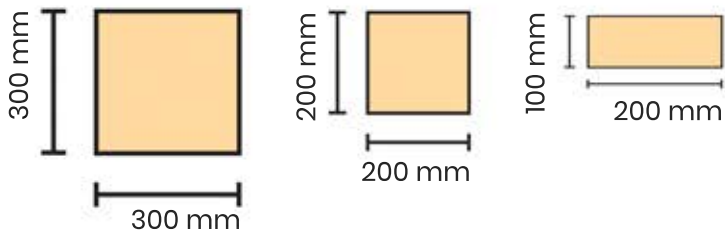
The above colours are only indicative. Please refer to samples for actual colours.

3D RHOMBUS



The above colours are only indicative. Please refer to samples for actual colours.

RECTANGULAR & SQUARE



The above colours are only indicative. Please refer to samples for actual colours.

KERB STONES

Wet press kerb stones are mainly designed for high transverse strength and are density products which have high withstanding capacities of any kind of atmospheric conditions, good resistance to sulfate s and other organic compounds in the soil, tough against all kinds of stresses, and ideally suited for the roads and parking areas.

The main types are “half bettered”, “flush” and “bull nose” produced in various sizes and lengths. The standard length are 9.15 mm and 600 mm for normal straight laying areas. Curvatures, by using small out pieces are more flexible than fixed radius curved stones. Depending upon the radius, the cut pieces are provided in lengths 300 mm and 200 mm.

SPECIFICATIONS

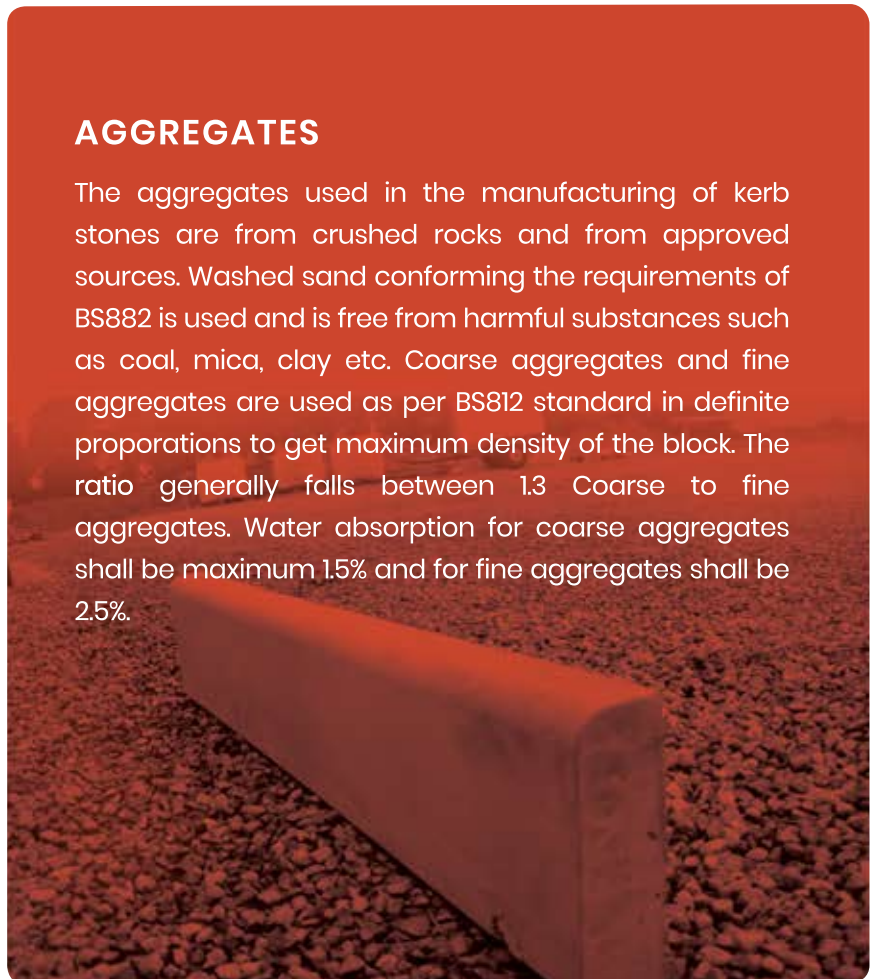
RAW MATERIALS AND RESOURCES

CEMENT

The cement used in manufacturing of kerb stone is type SRC, in accordance with ASTM C 150. The content of the cement is 400kg per Cu. M minimum.

AGGREGATES

The aggregates used in the manufacturing of kerb stones are from crushed rocks and from approved sources. Washed sand conforming the requirements of BS882 is used and is free from harmful substances such as coal, mica, clay etc. Coarse aggregates and fine aggregates are used as per BS812 standard in definite proportions to get maximum density of the block. The ratio generally falls between 1:3 Coarse to fine aggregates. Water absorption for coarse aggregates shall be maximum 1.5% and for fine aggregates shall be 2.5%.



WATER

The water used for producing and for curing of kerb stones is potable drinking water, supplied by local municipal authorities, and is free from salts and silicates.

CURING

The curing of the kerb-stones is with potable water for at least 3 to 7 days for optimum strength

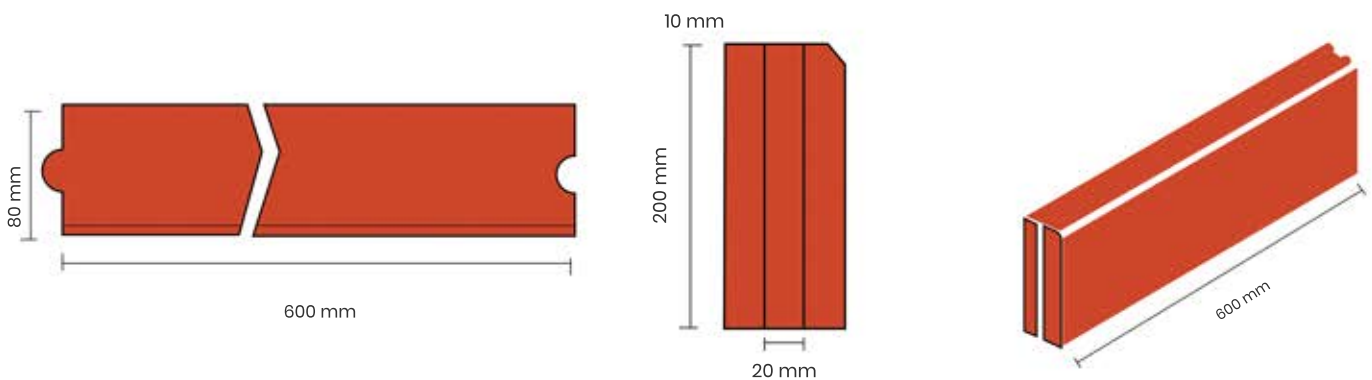
PHYSICAL AND MECHANICAL PROPERTIES

Transverse Strength: The transverse strength of the kerb stones as per Bs7263, part 1, 1994 for the size 125*250*915, shall be minimum 12.9 KN for span of 750 mm and size 150*300*925 shall be minimum 20.9 KN. Depending upon the size and thickness of the stones, the transverse strength will vary.

DIMENTIONAL TOLERANCE

The thickness variations of the kerb stones shall not exceed 5 mm height and length variation shall not exceed 2 mm.

HEEL KERBS



<p>25F</p> <p>255 mm 125 mm</p>	<p>25B</p>	<p>25H</p>	<p>915 mm</p>
<p>30F</p> <p>305 mm 150 mm</p>	<p>30B</p>	<p>30H</p>	<p>915 mm</p>
<p>30F / 20</p> <p>305 mm 200 mm</p>	<p>30B / 20</p>	<p>30H / 20</p>	<p>915 mm</p>
<p>38F</p> <p>380 mm 200 mm</p>	<p>38B</p>	<p>38H</p>	<p>600 mm</p>
<p>40F</p> <p>400 mm 200 mm</p>	<p>40B</p>	<p>40H</p>	<p>600 mm</p>
<p>42F</p> <p>420 mm 200 mm</p>	<p>42B</p>	<p>42H</p>	<p>600 mm</p>
<p>54F</p> <p>540 mm 200 mm</p>	<p>54B</p>	<p>54H</p>	<p>600 mm</p>



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