



GIVE A LIFE TO ANY LANDSCAPE

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ACC
cement



Manufacturers of Cement Bricks, Paver Block, Designer Tiles & Precast Products

ABOUT THE COMPANY

The Company was established in **2004** in Raniganj, **West Bengal** by **Shri Shankar Mal Tantia**, and **Mr. Santosh Tantia**. It was Eastern India's first Fly Ash Brick manufacturing unit and got the concept of **Green Products**, Since then, the company has believed and kept its motive of Green Products".

Our products have been embraced in various **Government** and **Corporate** Sectors. We have **brilliant** engineers and technocrats; they have deep knowledge in their respective disciplines thus bringing forth cutting edge products. We are a process and quality driven organization and certified as per **ISO 9001:2000** standards. The Swastick Group today has become a name that is synonymous with innovation.

QUALITY CONTROL

We **test our pavers** not just after they are manufactured but constantly during the process. We do this to deliver high quality pavers in each batch. All the raw materials entering the manufacturing unit gets tested to prepare the best mix design for the **quality products**.

MANUFACTURING TECHNOLOGY



Our manufacturing facility is fully equipped with state-of-the-art machinery with batching plant for accuracy of the mix prepared to the vibro press for proper compaction and smooth finish and the product is prepared to satisfy relevant IS codes. We installed **Cuber** so that the products are depallet, stacked and bundled without any human interference. We do Practices with quality assurance programmes. Products with performance attributes in line with changing design trends and new innovative applications. Swastick Group products adhere to **IS standard**. Our Production facilities are operated in accordance with **World Class** Manufacturing with **Cement - OPC 53 grade**.

GREEN BUILDING CENTER



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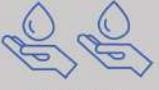
Green Building Centre (**GBC**) Raniganj run by **Shree Swastick Industries**, Raniganj is manufacturing unit fully equipped to develop end to end housing projects and solution as well as developmental products and solution under Green India Initiative.

Concrete Design (**BIS Approved and ISO 9001:2015 Certified**) aims to accelerate the production and commercialization of Fly Ash Bricks, PCC Bricks, Solid Blocks and Hollow Blocks, anti-skid pavers, Interlocking pavers, concrete tiles, concrete furniture and concrete cover blocks Supported by ACC Limited, a Lafarge-Holcim operating Company in India, GBC Raniganj provides consistent quality products leading to long lasting roads and building infrastructure. The environmental-friendly and cost-effective solution addresses the growing demands for affordable housing and other construction projects.

FLY ASH CEMENT BRICKS

Fly Ash Cement Bricks are high-tech well improved quality bricks used for masonry in the construction of buildings. They are a part of good and affordable building materials. They contain Fly ash, OPC Cement, Sand, Fine Aggregate, Stone Dust, Water and Additive



CHARACTER	FLY ASH BRICK	RED BRICK
COMPRESSIVE STRENGTH	 75-120 Kg/cm ²	 30-60 Kg/cm ²
WATER ABSORPTION	 10-15 %	 15-25 %
APPEARANCE	 Uniform	 Non-Uniform
REQUIREMENT OF PLASTER	 Less	 More
REQUIREMENT OF MORTAR	 Less	 More

TYPE	SIZE
A	190 x 90 x 90
B	230 x 110 x 75
C	250 x 120 x 75



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COMPRESSIVE STRENGTH	Average 12 N/mm ²
WATER ABSORPTION	6- 10%

DURABILITY, SAVINGS & MOISTURE RESISTANCE

- ▶ Highly durable, the bricks can be directly applied with the coating of Putty or POP
- ▶ These can be directly painted in dry distemper and cement paints, without the backing coat of plaster

ENVIRONMENT FRIENDLY

- ▶ Fly Ash Bricks Curb Global Carbon Emission
- ▶ Use Of Fly Ash Brick Reduce Damage of Agriculture Land.
- ▶ Fly Ash Brick Store Carbon Dioxide from The Environment, Adding Another Green Benefit..
- ▶ Use Of Fly Ash Bricks in Place of Red Clay Bricks Conforms to Supreme Court

THERMAL / SOUND INSULATION / FIRE & VERMIN RESISTANCE

- ▶ These bricks absorb lesser heat
- ▶ It provides an acceptable degree of sound insulation
- ▶ These bricks have good fire rating
- ▶ There is no problem of vermin attacks or infestation

APPEARANCE

- ▶ Dark Grey Cement Colour
- ▶ Uniform in shape and smooth in finish
- ▶ Save Upto 30% of Construction Cost
- ▶ Less porous to the ordinary clay bricks
- ▶ Applied lesser than clay bricks as the later are of variable sizes and generally undersize
- ▶ Dense composition, uniform size with frog

STRUCTURAL CAPABILITIES

- ▶ Available in several load-bearing grades
- ▶ Savings in mortar plastering
- ▶ Better resistance for earthquake loads due to panel action with high strength bricks
- ▶ Less breakage and wastage



HOLLAND 100mm	
Density	2050
Water Absorption	<3%
Joint Spacer	1.5mm
Strength	M40- M80 grade
Size	100X200X100



ZIGZAG	
Density	2050
Water Absorption	<3%
Joint/Spacer	3mm/ 1.5mm
Strength	M30-M40 grade
Size	225X112.5X60/80



SQUARE	
Density	2050
Water Absorption	<3%
Strength	M30-M40 grade
Size	100X100X60/80
	200X100X60/80
	200X200X60/80
	250X200X60/80
	300X150X60/80



I-SHAPED	
Density	2050
Water Absorption	<3%
Joint/Spacer	1.5mm
Strength	M30 grade
Size	230X180X40/60



(Any Other Color on Prior PO.)



HEXAGON
Size 238x238x60



S-LOCK
Size 175x97x60/80



PLANK
Size 250x62x60



COBBLE

PAVERS SPECIAL FEATURES

- ▶ Aesthetic & Pedestrian
- ▶ Cost Competitive
- ▶ Heavy & Light Vehicle Friendly
- ▶ Easy To Clean & Maintain
- ▶ Undulated Finish & Rustic Look
- ▶ Contributes To Ground Water Recharge
- ▶ Different Designs Can Be Made
- ▶ Male Female Interlock Makes It One of The Best Pavers

AREA OF APPLICATIONS



Highways



Fireplace



Airpot



Pathways



Parking



Petrol Pump



Rail Yards



Container Port



Decorative



GRASS/PERMIABLE PAVER



DIMOND



SLAB



GRASS PEBBLE



CIRCULAR BOX



COMBO

ADVANTAGES

- ▶ Eco-Friendly Option for Driveways and Parking Areas.
- ▶ Grass Block Pavers Recharge Groundwater
- ▶ Porous Pavers Keep the Air Around Your Driveway Cooler

AREA OF APPLICATIONS

GRASS PAVER	DIMENSION
ARTLINE	300 x 300 x 120
GRASS PEBBLE	500 x 300 x 80
SQUARE BOX	400 x 400 x 85
CIRCULAR BOX	200 x 200 x 60
SLAB	400 X 400 X 40



TRAFFIC AREA



DECORATIVE

COMPARISON OF ROADS

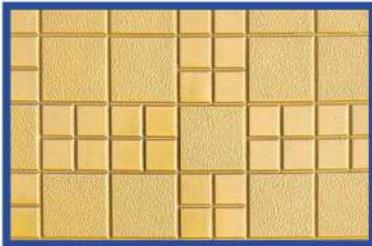
FEATURES	PAVER BLOCKS	R.C.C.	BITUMEN
Life Expectancy	>20 Years	5 To 12 Years	5-10 years
Initial Cost/ Construction Time	Medium	High	Low
Rainwater Drainage	Water To Passes Through Base Thus, Reduce Pooling or Flooding in Heavy Rain	Surface Is Impermeable and Drainage Must Be Achieved by Proper Surface Camber and Slope	Surface Is Impermeable And Drainage Must Be Achieved by Proper Surface Camber and Slope.
Safety	Good Slip and Skid Resistance, Helps Reduce Braking Distances.	Prone To Slippage and Skidding During Rain and Due to Spills.	Good Traction and Skid Resistance
Surface Cracks	Not Affected by Rainwater or Thermal Heat of Expansion	Prone To Cracks Due to Large Thermal Mass	Heavy Rains, Extreme Temperatures And Wear and Tear Result in Cracks and Rutting Leading to Potholes.
Repairs	Easy, Fast, And Inexpensive As Even A Single Paver Block Can Be Removed, And Re-Laid/ Replaced.	Difficult, Time Consuming and Expensive.	Cracks, Potholes Can Be Repaired Inexpensively and Quickly by Patch Work
Reuse	Same Blocks Can Be Removed and Reinstated After Repairs.	Cannot Be Reused but Can Be Crushed for Recycling.	Cannot Be Reused but Can Be Crushed for Recycling.
Quality	Produced In Large Volumes to Meet Stringent Specifications and Indian Standards for Strength.	Cast At Site and Hence Dependent on Quality of Concrete and Compaction at The Site.	Bitumen's Strength Relies Heavily On the Subgrade, Subbase and Base Materials.
Environment Issues	Paver Block Usage Has No Harmful Effects on The Environment..	No Harmful Effects on The Environment	Process Of Melting Bitumen Creates Greenhouse Gases That Contribute to Environmental Pollution.



CONCRETE TILES



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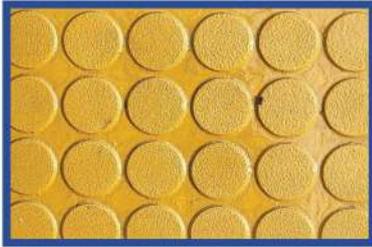
KAVERI



PLAIN



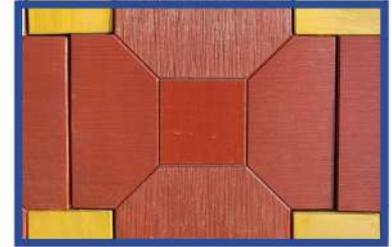
CHECKERS



COIN



HOLLAND PATTERN



COMBO



RING PATTERN



LINEAR



DIMENSIONS

400X400X40

TILES ADVANTAGES

- ▶ Protects The Existing Floor from Damage.
- ▶ Eliminates Any Potential Trip Hazards
- ▶ Reduces Damage Caused by Impact, Abrasion and Vibration
- ▶ Resistant To Most Solvents & Chemicals
- ▶ Good Thermal & Acoustic Insulation
- ▶ Highly Used in Residential & Commercial Places
- ▶ Easy Maintenance & Perfect Finish

AREA OF APPLICATIONS



ENTRANCE



FOOTPATHS



LAWNS



PASSAGES



STAIRCASES



CURB STONES



GULLEY



DISH CHANNEL



HALF



BULLNOSE



OFFLET



RADIUS



FULL BATTER



SQUARE



QUADRENT

CURB STONE ADVANTAGES

- ▶ Provide Additional Strength to The Edge of The Carriageway
- ▶ Provide Demarcation Line Between Roads & Footpath & Deter Traffic
- ▶ Prevent Vegetation to Encroach on Roads
- ▶ Improves the Aesthetic of Hardscape

TYPE	NAME	LxWxH (mm)	DIMENSION TOLERANCE	
CURB	SSI-CS-01	400 X 100 X 300	LENGTH	±3mm
CURB	SSI-CS-02	300 X 150 X 400	WIDTH	+1.5mm- 3mm
ROUND	SSI-CS-04	300 X 150 X 400	THICKNESS	±3mm
CURB	SSI-CS-05	300 X 100 X 400	WATER ABSORPTION	< 8%
ROUND	SSI-CS-06	300 X 100 X 400	DESCRIPTION	As Per IS 5758: 1984
CURB	SSI-CS-07	300 X 150 X 450		
ROUND	SSI-CS-08	300 X 150 X 450		

PRECAST ELEMENTS



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CONCRETE BENCHES

Seating Capacity	3/4
Thickness	75-100mm



FENCING POLE

SIZE	7ft. x 90mm x 90mm
	5ft. above the ground & 2ft. inside



BOLLARDS

SIZE	950mm X 150mm (dia)
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MANHOLE COVERS



U-SHAPE



DRAIN COVER

PRECAST ADVANTAGES

- ▶ Reduce Time on Site
- ▶ Lower Site Labor Cost
- ▶ Reduces Air Pollution, Noise and Debris
- ▶ Expedited Construction
- ▶ Heat Resistant
- ▶ Reduces Propping and Scaffolding Costs

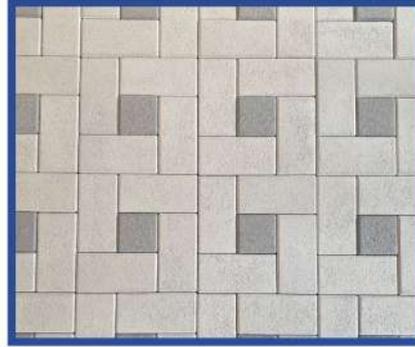


COVER BLOCKS

APPLICATION	COVER (mm)
SLAB	20
BEAN	25
COLUMN	40
FOUNDATION	50



Products GALLERY





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GET IN TOUCH



39 G.T Road, Bansra More,
Seasole Rajbari-713358,
Raniganj, West Bengal



www.shreeswastick.com



shree_seastick@yahoo.com



+91-94340-34806