



# Product Range

From Low Carbon Poly-Composite Material

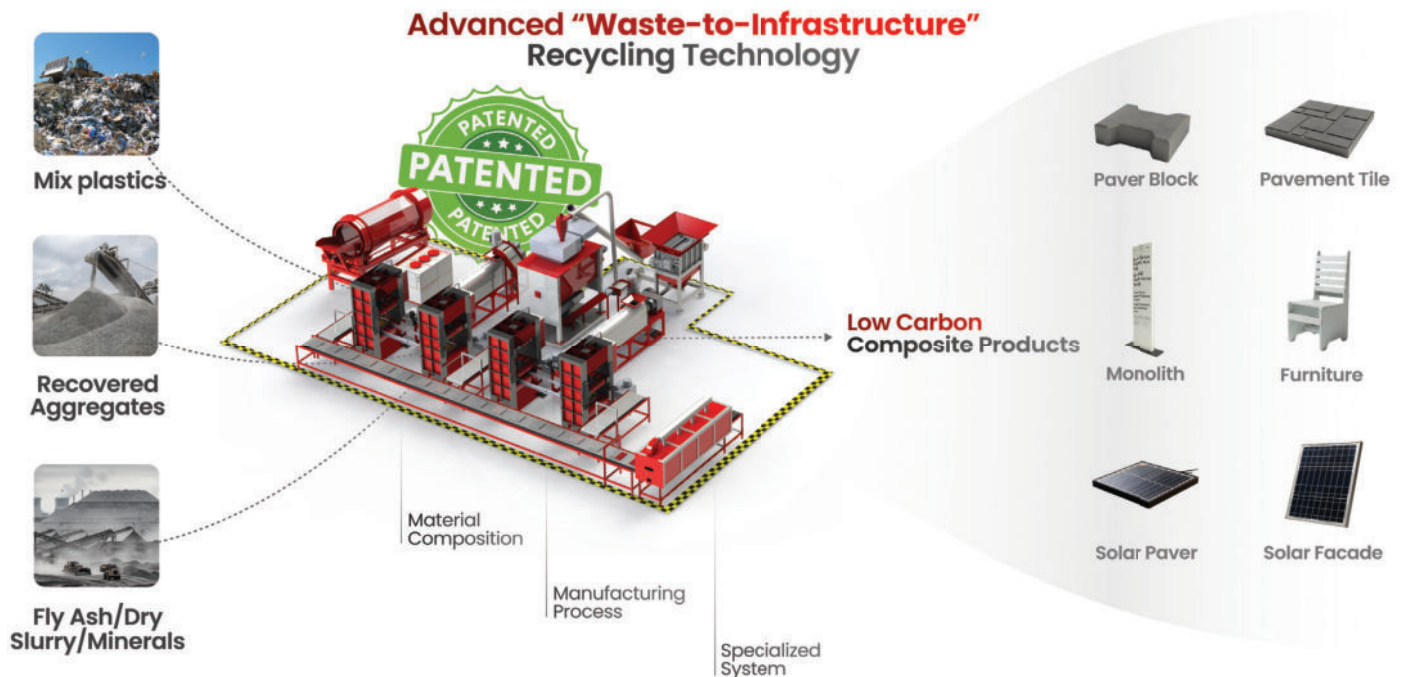
# About Us

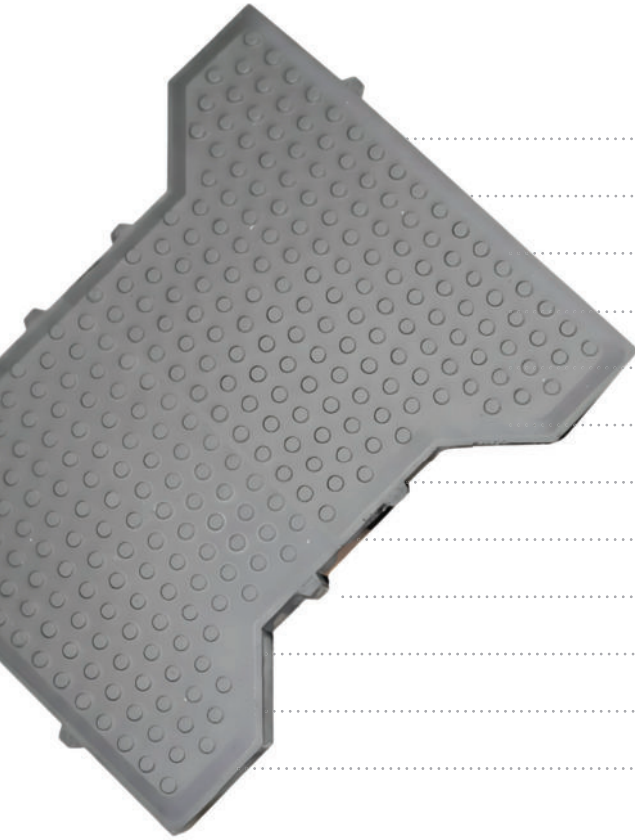
We establish circularity through the utilization of **patented closed-loop recycling technology**, which enables us to extract maximum value from waste and enhance the value chain. Our proprietary process effectively converts **Single Use Plastics, Construction & Demolition Waste, and Industrial Minerals / Aggregate / Fly Ash** wastes into **high-value alternative composite building materials**.

These materials exhibit superior performance properties and are particularly suitable for **precast product applications**, such as pavers, bricks, blocks, roof shingles, and tiles. Notably, our sustainable alternate building material has a **carbon-negative footprint** compared to traditional concrete.

By transforming low-value waste into **high-value materials**, we mitigate the emissions associated with waste disposal and diminish the depletion of natural resources that occurs during the production of conventional materials like cement, quarry materials, timber, and clay.

Specifically, our target market is the **low-cost affordable housing and infrastructure sector**, where we aim to significantly reduce the high costs of construction materials and labor. We achieve this by offering **economically sustainable and climate-positive factory-made precast products**, which streamline on-site labor and accelerate the construction process.





# Features

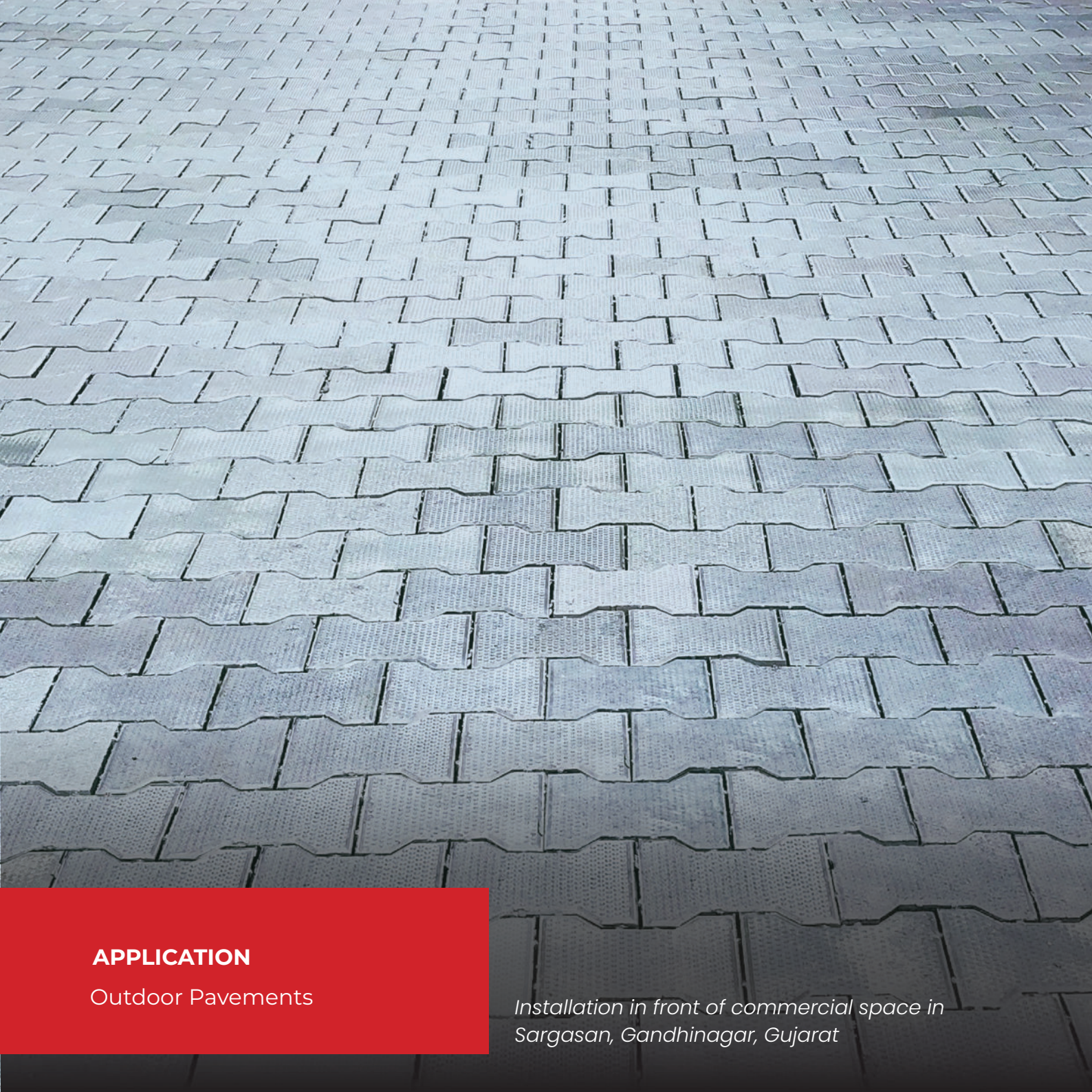
- 3x Strength to Weight
- Nil Water Absorption
- High Durability
- Eco - Friendly
- Light Weight
- High Wear Resistant
- High Thermal Insulation
- Pest Resistant
- Fire Retardant
- UV & Frost Resistant
- 100% Recyclable
- Made without curing

**Our product is  
tested for**

- Compressive Strength
- Water Absorption
- Rate of Burning
- Thermal Stability
- Flexural Strength
- Solar Reflective Index
- Transverse Strength
- Flamability

**Certified by**





## **APPLICATION**

Outdoor Pavements

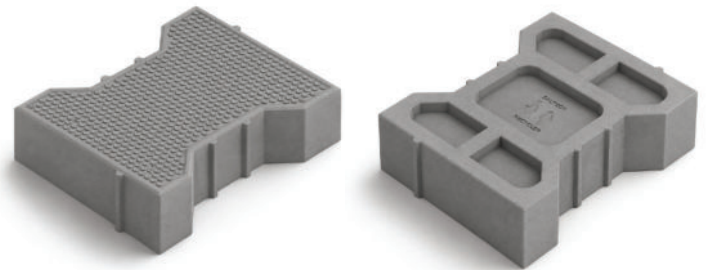
*Installation in front of commercial space in  
Sargasan, Gandhinagar, Gujarat*

## Product Description

**Shape :** I - section  
**No. per square feet :** 2.55 pcs  
**Type:** Interlocking Pavers  
 (Backside Cavity)

# Recycler™ Paver Block

Cavity Backside



| Grade<br>(Strength Wise) | Dimensions (L x W x Th)  | Suitable Applications    |
|--------------------------|--------------------------|--------------------------|
| M 30                     | 225 x 185 x <b>30</b> MM | Pedestrian Walks         |
| M 35                     | 225 x 185 x <b>35</b> MM | Car Parkings & Driveways |
| M 40                     | 225 x 185 x <b>40</b> MM | Small Market Roads       |

**Note:** M 30 : 30 MPa | M 35 : 35 MPa | M 40 : 40 MPa | M 50 : 50 MPa | M 55 : 55 MPa



*Installation in front of Statue of Unity premises, Kevadia*



*Installation around commercial space in Gandhinagar, Gujarat*

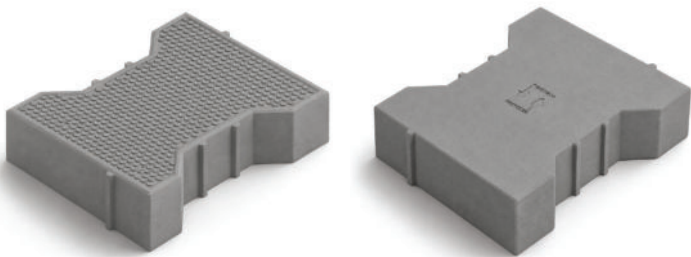
# Product Description

Shape :  
 No. per square feet :  
 Type:

I - section  
 2.55 pcs  
 Interlocking Pavers  
 (Solid Backside)

# Recycler™ Paver Block

Solid Backside



| Grade<br>(Strength Wise) | Dimensions (L x W x Th)  | Suitable Applications                |
|--------------------------|--------------------------|--------------------------------------|
| M 30                     | 225 x 185 x <b>20</b> MM | Pedestrian Walks                     |
| M 35                     | 225 x 185 x <b>25</b> MM | Car Parkings & Driveways             |
| M 40                     | 225 x 185 x <b>30</b> MM | Small Market Roads                   |
| M 50                     | 225 x 185 x <b>35</b> MM | Bus Terminals & Industrial Complexes |
| M 55                     | 225 x 185 x <b>40</b> MM | Container Ports & Cargo Handling     |

**Note:** M 30 : 30 MPa | M 35 : 35 MPa | M 40 : 40 MPa | M 50 : 50 MPa | M 55 : 55 MPa



## **APPLICATION**

Outdoor Pavements

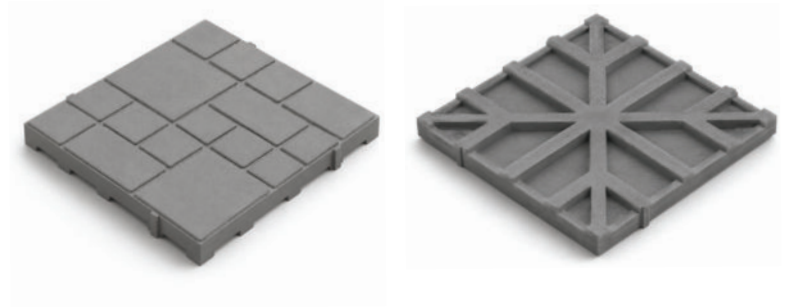
*Installation at Pandit Deendayal Energy University  
(PDEU), Gandhinagar, Gujarat*

## Product Description

Shape :  
No. per square feet :  
Type:

Square  
01 pc  
Square Paver Tile

# Recycler™ Paver Tile



| Grade<br>(Strength Wise) | Dimensions (L x W x Th)  | Suitable Applications    |
|--------------------------|--------------------------|--------------------------|
| M 30                     | 305 x 305 x <b>30</b> MM | Pedestrian Walks         |
| M 35                     | 305 x 305 x <b>35</b> MM | Car Parkings & Driveways |

**Note:** M 30 : 30 MPa | M 35 : 35 MPa



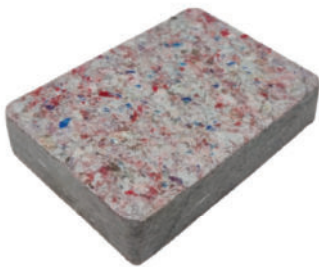
## APPLICATION

False Ceiling      Wall Claddings  
Outdoor Roofings   Furniture

# Product Description

**Shape :** Rectangular  
**Size :** 1 piece (8 FT x 4 FT)  
**Type:** Standard & Ultra White

# Recycler™ MLP Sheet



Standard White



Ultra White

| Size<br>(in Feet) | Thickness<br>(in MM) | Type                   |
|-------------------|----------------------|------------------------|
| 8 ft x 4 ft       | <b>08</b> MM         | Standard & Ultra White |
| 8 ft x 4 ft       | <b>12</b> MM         | Standard & Ultra White |
| 8 ft x 4 ft       | <b>18</b> MM         | Standard & Ultra White |
| 8 ft x 4 ft       | <b>25</b> MM         | Standard & Ultra White |
| 8 ft x 4 ft       | <b>30</b> MM         | Standard & Ultra White |



## APPLICATION

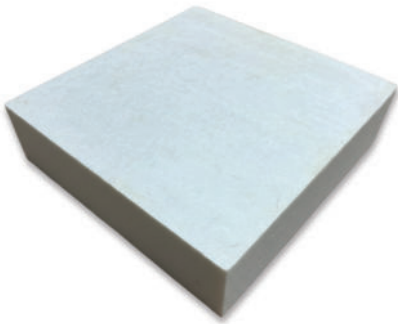
False Ceiling  
Outdoor Roofings

Wall Claddings  
Furniture

# Product Description

**Shape :** Rectangular  
**Size :** 1 piece (8 FT x 4 FT)  
**Type:** Regular (R) & Premium (P)

# Recycler™ Composite Sheet



| Size<br>(in Feet) | Thickness<br>(in MM) | Type              |
|-------------------|----------------------|-------------------|
| 8 ft x 4 ft       | <b>04</b> MM         | Premium           |
| 8 ft x 4 ft       | <b>06</b> MM         | Premium           |
| 8 ft x 4 ft       | <b>08</b> MM         | Premium           |
| 8 ft x 4 ft       | <b>10</b> MM         | Premium           |
| 8 ft x 4 ft       | <b>11</b> MM         | Premium           |
| 8 ft x 4 ft       | <b>12</b> MM         | Premium & Regular |
| 8 ft x 4 ft       | <b>15</b> MM         | Regular           |
| 8 ft x 4 ft       | <b>18</b> MM         | Regular           |
| 8 ft x 4 ft       | <b>20</b> MM         | Regular           |
| 8 ft x 4 ft       | <b>25</b> MM         | Regular           |

## Solar Pavements



Carbon Negative Building Integrated Photovoltaics (BIPV)

## Signages



Sustainable Signs & Monoliths

# Product Market Segments

|                                                                                                             |                                                                                                            |                                                                                                             |
|-------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| <p>Walkways</p> <p>Driveways</p> <p>Pathways</p> <p>Parking Lots</p> <p>Entrances</p> <p>Compounds</p>      | <p>Plazas</p> <p>Showrooms</p> <p>Hotels</p> <p>Restaurants</p> <p>Petrol Pumps</p> <p>Industries</p>      | <p>Roads</p> <p>Footpaths</p> <p>Streets</p> <p>Dividers</p> <p>Common Plots</p> <p>Gardens / Parks</p>     |
| <p><b>Residential</b></p>  | <p><b>Commercial</b></p>  | <p><b>Municipal</b></p>  |



Creative Visualization

# Sustainable Social Infrastructure

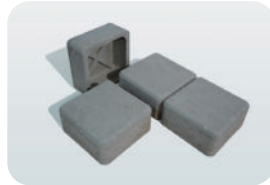


(Urban Landscape Installation & Furniture)

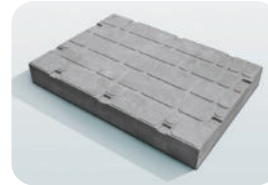
## Products in Pipeline



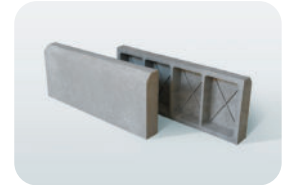
*Cobbles*



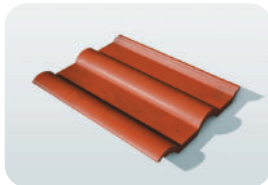
*Squares*



*Road Slab*



*Kerbstone*



*Roof Tile*



*Lego Brick*



*Roof Shingle*



*Fencing Pole*



*Road Bumper*



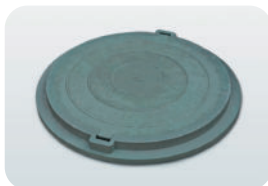
*Slabs*



*Postcover*



*Drain Channel*



*Manhole Cover*



*Drainage Grill*



*Grass Paver*



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