



# CONCEPT LOOP

## Technical Data Sheet

### Specifications

Properties	Values	Unit
Strength	4000-7000	PSI
Width	4	inches
Length	8	inches
Weight	2.5 - 3	kgs
Water Absorption	7<	%
Density	2.3	gm/cc
Tensile Load	2307	N
Specific Gravity	1.93	g/cm <sup>3</sup>
Carbon Offset	4.2- 5.2	kg/sqft
Fire Resistance	6.5	%
Shear Strength	547	PSI
Flexural Strength	5.65	N/mm

Tests done according to BS 6717 : Part 1, ASTM C 373, ASTM 136 & UTM 5kN.

### Certifications



## About Us

Concept Loop specializes in the production of environmentally sustainable building materials, made from hard-to-recycle, low-value plastics that would otherwise contribute to landfill and marine pollution.

We transform this end-of-life plastic waste into 'EcoGrete', a versatile additive that enhances concrete products, effectively creating a low-carbon construction material. The development of our products is grounded in extensive research and testing, incorporating comprehensive feedback from architects and industry experts. Our innovative green materials and products outperform their traditional counterparts.

## Design



City



Quadra



I-Shaped

## Color

Natural Gray | Charcoal Black | Terracotta Red

## EcoGrete Paver

Transforming low-value plastic waste into a robust flooring solution.



Weather  
Resistance



Environment  
Friendly



Impact  
Resistance



Upto 1.2kgs  
Waste Redirected



Upto 4.2kgs  
CO2 Offset



High  
Strength

## Features

### Composition

- EcoGrete (Low-value Plastic Waste, Minerals, Additives)
- Concrete

### Sizes and Shapes

- 50 mm
- 60 mm
- 80 mm

City | Quadra | I-Shaped

## Comparison

### Carbon Saving

Normal Paver - **1.164kg CO2e**  
EcoGrete Paver - **0.544kg CO2e**

**54%** Reduction in CO2e compared to BAU

### Standard Dimension

