

## Hi-Strength EcoGrete Water Resistant Blocks

### Technical Data Sheet

#### Specifications

Properties	Values	Unit
Standard Dimension	6 x 8 x 12	in
Strength	700 - 1000	PSI
Weight	20 - 25	kg
Fire Endurance (ASTM E119)	1.053%	Mass ↓ - 3hrs
Water Absorption	4.5%	%
Tension Test	520	KPa
Density	1870	kg/m <sup>3</sup>



Tests done according to ASTM C 1585, ASTM E119 & UTM.

#### 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



**Solid EcoGrete Block**

## Color

Natural Gray

## EcoGrete Paver

A durable, sustainable building material solution with excellent water resistance and strength.



Weather  
Resistance



Environment  
Friendly



Impact  
Resistance



Upto 2 kgs  
Waste Redirected



Upto 7 kgs  
CO2 Offset



High  
Strength

## Features

### Composition

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

### Sizes

- 2 x 4 x 8 in
- 3 x 4 x 8 in
- 4 x 4 x 8 in
- 5 x 4 x 8 in
- 6 x 4 x 8 in

## Comparison

### Carbon Saving

Normal Block - **0.736kg CO2e**  
EcoGrete Block - **0.116kg CO2e**

**85% Reduction in CO2e**  
compared to BAU

### Standard Dimension

