

JSW Cement
The Leaders' Choice

World's #1
eco-friendly
cement company


Green Crete
Low Carbon Concrete

**REDEFINING STRENGTH WITH
SUSTAINABILITY**



JSW Cement's Green Crete is an eco-friendly concrete with a product range of:

Green Crete Smart

&

Green Crete Ultima



JSW Cement's Green Crete Smart and Green Crete Ultima are made with modern, sustainable building materials. These sustainable concrete products have 30-50% lower embodied carbon content as compared to a reference concrete designed with OPC.

Green Crete Smart

Green Crete Smart is an eco-friendly product that saves natural resources by using low CO₂ supplements (supplementary cementitious materials - GGBS) as partial replacements for Portland Cement Clinker, which reduces CO₂ emissions by 30-45%.

This product range gives ultimate strength and durability to any structure & ensures sustainable and responsible practices for the environment, conserving natural resources and reducing CO₂ emissions.

Green Crete Ultima

Green Crete Ultima is an eco-friendly product that uses granulated blast furnace slag as a partial replacement for regular sand. It reduces CO₂ emissions and avoids the depletion of natural resources.

BENEFITS



Substantial CO₂ Reduction



Green Rating



High Strength



High Durability



Conservation of Natural Resources



Contributes to a Circular Economy

APPLICATIONS

Road Concreting - PQC

Beams

Bridges

Columns, Rafts

RCC Slabs

About Green Crete

What is Green Crete?

Green Crete is a range of low carbon concrete by **JSW Cement**. It offers upto 45% lower CO₂ emissions compared to standard concrete, without affecting its performance. As we move towards a net zero future, this initiative by **JSW Cement**, demonstrates our responsibility as a conglomerate.

Its Advantages!

- Maintaining concrete performance and strength while reducing CO₂ emissions by up to 45%
- Similar placement, pumping, and finishing compared to regular concrete
- Green Crete offers a wide range of mix grades (M10-M60)
- Facilitates green building certification

The Variations.

Green Crete comes in two product ranges: **Green Crete Smart** and **Green Crete Ultima**.

Green Crete Smart : It uses low-CO₂ supplements (GGBS) to partially replace Portland cement clinker.

Green Crete Ultima : This product goes a step further by using GGBS as a partial replacement for Portland cement clinker, and includes granulated blast furnace slag as a substitute for regular sand.

What are its uses?

The Green Crete product line is suitable for various structural and non-structural applications, such as beams, columns, foundations, bridges, driveways, and walkways, with placement characteristics identical to regular ready-mix concrete.

Why it's the best for that application!

- Substantial CO₂ reduction
- High strength
- Excellent durability
- Conservation of natural resources – limestone, water, energy, sand
- Contributes to a circular economy through the use of by-products
- Green rating, which helps in getting more FSI and Green certifications



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