



Confederation of Indian Industry



Green Cement

Newsletter from CII Green Products and Services Council

What is a Green Cement?

Green cement is a cement that utilizes maximum quantity of flyash and/or slag leading to reduced consumption of natural resources such as raw materials, energy, and water. Green Cement is a sustainable construction material with superior quality and strength.

The following are broad categories of Green Cement available in the market are:

- ◆ Portland Pozzolana Cement (PPC) with flyash addition of 20 - 35% by weight
- ◆ Portland Slag Cement (PSC) with slag addition of 25 - 70% by weight
- ◆ Composite Cement with flyash and slag addition of 35 - 65 % by weight

Features

- High compressive strength can be achieved, suitable for most of the construction activities
- Delivers improved later-age strength and durability
- Prevents buildings from chemical effects of Sulphates & Chlorides.
- Helps in preventing corrosion of steel rods due to higher impermeability
- Improved workability due to higher fineness

Benefits

- Increases in utilization of flyash / slag and hence reduction in virgin raw material consumption
- Reduction in energy consumption during manufacturing process and hence corresponding reduction of CO₂ emissions
- Requires low water - cement ratio, hence reduced water consumption during construction
- Ultimately, the features of 'Green cement' reduces the manufacturing and the building construction costs

Certified Cements			Under Certification
			
Dalmia PPC Vajram Cement	Ramco Supergrade PPC & PSC	Portland Slag Cement	ACC Cement

GreenPro rated Cement companies



Team from JSW Cement receiving GreenPro plaque at Green Cementech 2016, Hyderabad



Team from Ramco Cement receiving GreenPro plaque at Green Building Congress 2016, Mumbai



Team from Dalmia Cement receiving GreenPro plaque at Green Cementech 2016, Hyderabad

Supporting Council and programmes



Knowledge Partner

