

THE NEW-AGE CEMENT, ENGINEERED FOR STRENGTH

MAZBOOTI KI
NAYI PEHCHAN

JSW
Cement
COMPCEM

THE LEADERS' CHOICE

JSW Composite Cement is the latest revolutionary offering specially designed for all your concrete-based construction requirements. It is a perfect blend of highly reactive slag and silica, which provides high concrete strength & durability, better cohesion, and ease of working. It provides high early and high long-term strength along with quick setting, thus making it ideal for strength-bearing applications such as beams, columns, slabs, and foundations.

A result of the world-class manufacturing process, JSW Composite Cement is also an environmentally friendly product with improved chemical resistance providing more durability & increased safety to your structure. Therefore, it is the perfect solution not just for your concrete-based construction needs but for many other applications.

1800 266 266 1 (toll free)

JSW Cement
The Leaders' Choice

ABOUT Cement

JSW Cement is India's leading 'Green Cement' manufacturer and is part of the JSW Group. We have a strong commitment towards innovation in sustainability & technology to offer eco-friendly construction & building solutions to our customers. Growing exponentially since our inception in 2009, we have reached a production capacity of 14 MTPA (Million Tonnes Per Annum).

We envision a self-reliant India by boosting our colossal infrastructure and fast-growing economy through benchmark projects.

We cater to 11 major states in India across the eastern, western, and southern parts of the country.

JSW Cement emerged in the market as a leader in environmentally friendly product Pozzolona Slag Cement (PSC). Since then, we have expanded our cement range to Concreel HD (CHD), Comp Cem (Composite Cement – PCC)

JSW Cement also extends its services through its construction products in categories like and Ground Granulated Blast Furnace Slag [GGBS} and Slag Sand for the use in concrete and other civil works. The latest introduction to this is the range of construction chemical products with its Drymix mortar range – Enduroplast, Duraflor, Krysta Leakproof being launched in South.

JSW is now being recognized as a holistic group for construction with Steel, Cement, Paints, and Construction Chemicals foray to the Indian market.

Factory Fresh Cement

JSW Composite Cement comes packed in LPP, which keeps the freshness of cement intact for a longer period.

Advantages:



No pilferage



Assured weight



Increased shelf life.

WHAT MAKES JSW Composite Cement An Incredibly Efficient Cement.

Benefit	Compcem	PPC	OPC
High Inital Strength	✓	✗	✓
High Flnal Strength	✓	✗	✗
Quick Setting	✓	✗	✓
Chemical Resistant	✓	✓	✗
Increased Durability	✓	✓	✗
Superior Cohesion	✓	✓	✗
Green Product	✓	✓	✗
Low Heat of Hydration	✓	✓	✗
Less Cracks	✓	✗	✗
Reduced Bleeding	✓	✗	✗

MAJOR APPLICATIONS OF JSW COMPOSITE CEMENT



- JSW Composite Cement contains features of both the Slag Cement and Portland Pozzolana Cement making it a broad-spectrum cement.
- It is suitable for applications ranging from concreting, brickworks plaster & other all ancillary works to RCC footing, building the foundation for bridges, and underground constructions.
- RCC works in high water table areas & marshy lands
- RCC water tanks and effluent treatment plants
- Pile foundations and pile cap
- Mass concrete work in dams, spillways, canals, expressways, etc.
- All other generalised construction requirements

SUSTAINABLE CONSTRUCTION



It is driven by the JSW Group's commitment to sustainable construction creating eco-friendly buildings.

Features

- Conservation of natural resources for the future.
- Significant reduction in CO2 emission
- Reduction in energy usage - fuel and electricity

MORE DURABLE



The unique blend of slag & fly ash fills in all the voids of concrete and mortar, giving it a dense & cohesive mix leading to impervious concrete.

Features

- Stability to the structure
- Lesser maintenance
- Lesser ingress of harmful chemical and water
- Better factor of safety.

CHEMICAL RESISTANCE



JSW Composite Cement exhibits high resistance to attacks by harmful chemicals like sulphates, nitrates, and chlorides.

Features

- Protection to embedded reinforcement.
- Imparts durability to the structure
- Less maintenance cost

SUPERIOR SMOOTH FINISH



The slag & fly ash present in composite cement work like ball-bearing around coarse particles rendering a wonderful finish to concrete and plaster surface.

Features

- Aesthetic structures.
- Provides a good substrate for painting and other decorative works.

IMPROVED WORKABILITY



The slag and fly ash impart a ball-bearing effect that makes the placement of concrete & mortar easier, giving it a superior finish.

Features

- Easy to place and finish
- Lesser bleeding and segregation
- Cohesive mix.
- Lesser water demand

HIGH EARLY STRENGTH



Repeated hydration forms calcium silicate hydrate gel that improves performance.

Features

- Stronger slabs, columns, beam and foundations
- Quicker de-shuttering of structures
- Increased safety of structures
- Increased durability of structures.

Technical Assistance during pre sales and post sales service.

- Cement Care Van provides cement & concrete testing assistance at the site.
- Site visits by qualified field engineers to promote good construction practices at the site.
- Assistance in selection of building material.
- Concrete design mix assistance.
- Site demonstration.



Specifications:

JSW Cement manufactures superior quality composite cement, which far supersedes the BIS requirement

Physical Characteristics	BIS Specifications IS 16415 : 2015	JSW Composite Cement
Fineness(m ² /kg)	Min 300	385+/-10
Setting Time		
Initial (minutes)	Min 30	135+/-10
Final (minutes)	Max 600	240+/-10
Compressive Strength		
3 Days (MPa)	Min 16	22+/-2
7 Days (MPa)	Min 22	33+/-2
28 Days (MPa)	Min 33	57+/-2



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