

## Product Application



Roofing



Beam



Foundation



Column



Building



Road & Flyover Construction

## Concrete Mix Proportion

Type of Construction	Grade of Concrete	Compressive strength after 28 days (MPa)	Proportion with JK Super Strong Cement
Beam, Slab, Column	M20	20	1:1.75:3.5
Foundation	M25	25	1:1.25:2.5
For PCC	M15	15	1:2.5:4.5

### Do's

- Use fresh & good quality cement – JK Super Strong.
- Use cover blocks to provide proper cover to reinforcement.
- Use potable water for mixing, maintain right water content & cement & aggregate ratio as per grade of concrete.
- Preferably use mixer machine for concrete mixing with mixing time of minimum 2-3 minutes per batch.
- Use concrete mix within 1.5 hours of adding water & ensure watertight formwork.
- Use vibrator for proper compaction of concrete.
- Curing for minimum 7-12 days is recommended depending upon weather conditions.

### Dont's

- Avoid use of excess water in the concrete mix.
- Do not keep gaps in shuttering plates, it may cause seeping out of cement slurry from concrete.
- Do not pour concrete from more than 1 meter height to avoid segregation.
- Do not re-temper mortar and concrete with water.
- Do not remove shuttering before time period mentioned as per IS 456:2000.
- Do not use dry cement while finishing the concrete.
- Do not add sugar/molasses in mortar or concrete.

## JK CEMENT

(Unit of JK Cement Ltd.)

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JK Cement LTD.

Build Safe and Build Strong

with

**JK SUPER STRONG**

**BUILD SAFE  
CONCRETE SPECIAL**



IGBC-MP-1104





## Over 40 years of legacy in partnering Nation-building

- Over four decades of experience in cement manufacturing.
- One of India's leading Grey Cement manufacturers with an installed capacity of 10.5 MnTPA.
- Extensive Pan India market reach across 15 states for Grey Cement with enhanced penetration in Tier II and Tier III cities.
- 3rd largest white cement manufacturer in the world with a capacity of 1.20 MnTPA.

### About JK Super Strong Cement

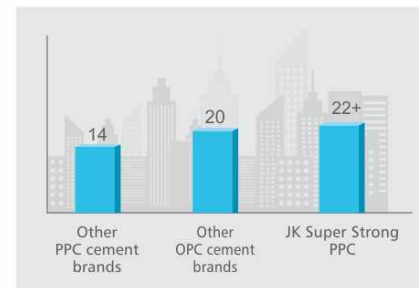
Partnering the Country's multi-sectorial infrastructure needs for over four decades, JK Super Cement has established itself as one of the premium grey cement brands in the Country and is the most preferred brand among the customers. In our quest to deliver quality products and excellence in services, we are now launching a new product, JK Super Strong which is specially designed for concrete applications and its main Characteristics are:



### What is MPET?

MPET is a new breakthrough technology in cement production, which improves the performance of cement. It gives systematic & advance distribution of micro particle leading to optimal mix of fine & Active Particles in the cement, which results in better one day strength, resistance to chemicals and denser concrete.

#### One Day Strength (MPa)



#### Fineness ( $M^2/Kg$ )



### Advanced Process Technology to produce consistent cement quality:

- Online analysis of Limestone through CBA (Cross belt analyser)
- Good control of cement quality and its raw & process materials through Robotic Technology and XRF.
- Monitoring of particle size distribution with laser diffraction technology.
- Online process quality control by QCX blend expert.



RoboTech



Particle Size Analyzer



CBA/ PGNA

### On site Free Customer Support



Cube Testing



Site Supervision



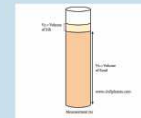
Free cover blocks



Rebound Hammer Test



Slump Testing



Silt Content Testing