



Build Strong Infra

SILICON
CEMENT PVT. LTD.

**BUILD
STRONG
INFRA
SILICON
CEMENT**



www.siliconcement.com



Silicon Cement Pvt. Ltd.:

Growing from strength to strength.

Anuja Cement is one of the leading cement companies in India. Building your dream home is a very special event in your life. It is the culmination of hard work, planning and love. You'd want to make everything goes right.

And so, from us to you - this little offering.

It will explain to you all the basics of building a house - cement se ghar tak. You will understand the terms, processes and decisions involved in building houses. So that you can make the best choices while building the perfect home.

And remember that we're right here for you, at every stage.

Our Vision:

To be the most sustainable competitive company in our industry.

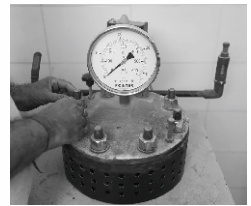
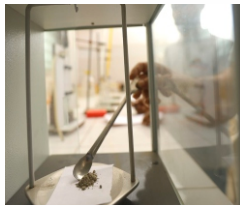
Our Mission:

Creating Values For All

- Delighted Customers
- Inspired Employees
- Enlightened Partners
- Energised Society
- Loyal Shareholders
- Healthy Environment



TESTING LABORATORY



ONE STEP AHEAD IN TECHNOLOGY

To make quality and gain reputation is not an accident, but it is the results of long lasting and constant efforts, world class manufacturing machinery plays a vital role. The raw material passes through many quality check. To ensure quality production company has setup a well equipped laboratory with team of chemist.

- We use best quality clinker.
- Environment friendly transport system installed.
- Store and stock properly.
- Electronic weight feeders to control materials,
- Automatic packing machine to control weight loss.
- Modern and fastest delivery to the costumers.



53^{GRADE}



53 Grade cement is the popular brand cement with high heat of hydration and long life of concrete structures.



**High
Compressive
Strength**



**Water
Repellent**



**Anti-Corrosion
& Less Water
Consumption**



**Two Stage
Superne
Processing**

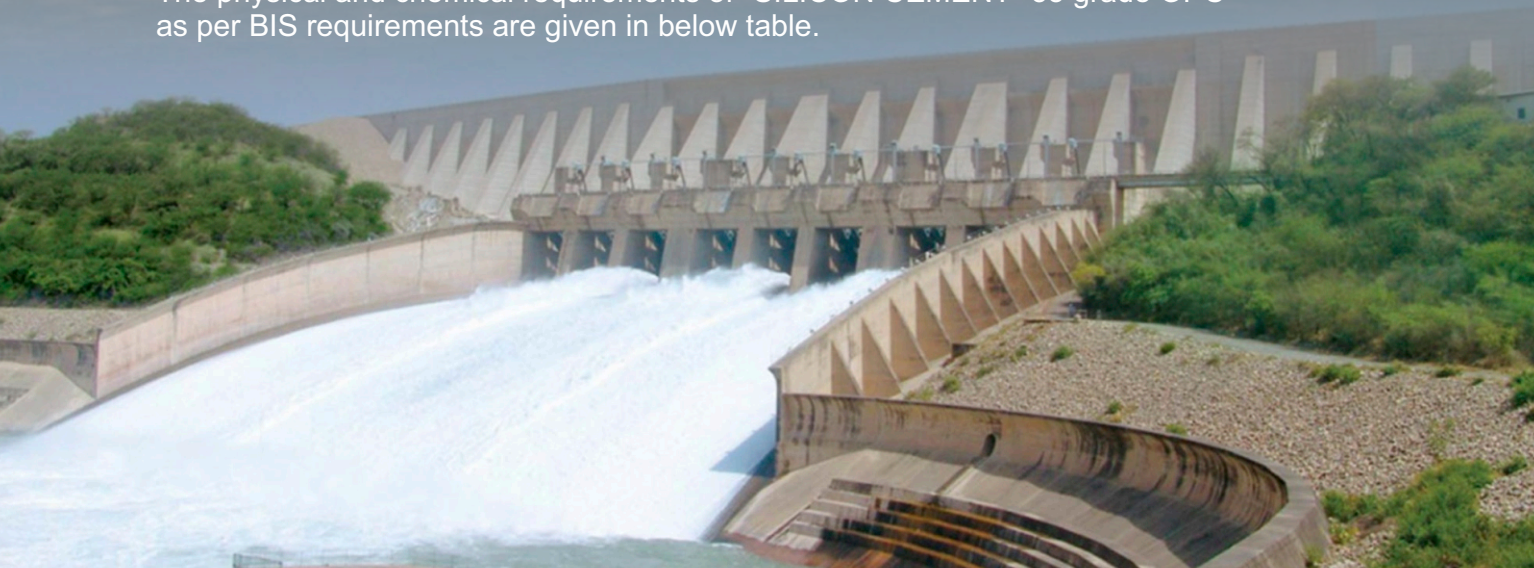


OPC Cement - 53 Grade Cement

- ② 53 grade OPC is a higher strength cement to meet the need of the consumer for higher strength concrete. As per BIS requirements the minimum 28 days compressive strength of 53 grade OPC should not be less than 53 Mpa.
- ② For certain specialised work, such as prestressed concrete and certain items of precast concrete requiring consistently high strength concrete, the use of 53 grade OPC is found very useful. 53 grade OPC produces higher-grade concrete at very economical cement content. In concrete mix design, for concrete M-25 above grades a saving of 8 to 10% of cement may be achieved with the use of 53 grade OPC.

SILICON CEMENT 53 grade OPC can be used for the following applications.

- ② RCC work (preferable where grade of concrete is M-25 and above)
- ② Precast concrete items such as paver block, tiles building block etc.
- ② Prestressed concrete components.
- ② Runway, concrete road, bridge etc.
- ② The physical and chemical requirements of "SILICON CEMENT" 53 grade OPC as per BIS requirements are given in below table.





Compressive Strength	53 Grade	Silicon Cement
3 rd Days MPA	Min 27	29
7 th Days MPA	Min 37	43
28 th Days MPA	Min 53	57

Physical Characteristics

Setting Time	-	-
Initial Set (mts)	Min 30	60
Final Set (mts)	Max 600	125
Fineness (m ³ / kg)	Min 225	320
Soundness	-	-
Le Chatelier	Max 10.0	1.0
Autoclave (%)	Max 0.8	0.127

Chemical Characteristics

Lime Saturation Factor	0.8 - 1.02	0.91
Alumina: Iron Ratio	Min 0.66	1.39
Insoluble residue (% by mass)	Max 3.0	1.24
Magnesia (% by mass)	Max 6.0	2.21
Sulphoric Anhydride (% by mass)	Max 3.0	2.35
Loss on Ignition (%)	Max 4.0	1.46
Chlorides	Max 0.05	0.024



Please scan the QR Code
for contact details

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