

**SHREE DIGVIJAY
CEMENT CO. LTD.**



OIL WELL CEMENT

CLASS G - HSR



Quality and Consistency of over 75 years

7 DECADES OF KAMAL CEMENT

Kamal Cement is a pre-independence brand envisaged by the great Sardar Patel to build an Independent India in days to come. Under the leadership of Maharaja Shri Digvijay Sinhji, Kamal Cement was a result of both Patriotism and Entrepreneurship. Kamal Cement standing strong since past seven decades carves out the long proud legacy of building the nation by manufacturing superior quality cement, thereby making it one of the most experienced cement producing companies in India. The competitive edge is exhibited through constant technological upgradation and its commitment to give a perfect quality cement that is quality focused. The IMS (ISO 9001, 14001 & 18001) certified Industry accredited with International Standard Quality Control Systems meets the most advanced methods of Consistent Quality Cement production. Fully automatic and dynamically monitored production process with latest online expert analysers ensuring consistency in quality of every finest grain of cement, making Kamal Cement the most preferred cement brand in India.

SHREE DIGVIJAY CEMENT CO. LTD. OIL WELL CEMENT (OWC)

This type of cement, due to its special chemical specific composition, is the ideal solution for the construction of oil wells, pipelines, water wells and consolidation work on offshore platform support bases.

Given the complexity of the application and the extreme conditions of temperature and pressure, well cement HSR class G has to fulfill demanding requirements, such as a predictable thickening time (set time), high sulfate resistance, long term performance, fluid loss control, low viscosity and mechanical resistance.

- **Consistent mineralogical composition of the product, high resistance to aggressive waters, as a result of a low C3A content**
- **Stability of slurries due to the low sedimentation values (free fluid) which guarantees the homogeneity of the Cemented columns**
- **Low alkali content provides adequate compatibility with admixtures**
- **Adjustable thickening time gives better rheology of the slurries**



RECOMMENDED APPLICATION

- Oil wells construction
- Water wells
- Gas wells
- Pipelines
- Foundation works on offshore platform support bases.

PACKAGING

we offer shipment as per customer requirement in

- 50 kg bags
- 1/1.5 Ton jumbo bags
- Loose bulk cement

WE BUILD TO LAST

PARTNERING WITH INDIA'S
MAJORITY OIL EXTRACTION
COMPANIES SINCE 1989.

Offering...

MULTIPLE LOGISTICS SOLUTION FOR OUR CUSTOMERS

Time is money – Success often depends on how promptly you receive the goods you need. That is why we offer logistics services that ensure you receive your supply of oil well cement at the rightest time.

OUR STRATEGIC LOCATION ADVANTAGE

- We being based right at India's West Coast and have our own captive port which allows us to load & ship 2,000 to 3,000 tons barges in the fastest and cheapest manner.
- Besides our proximity to India's largest International Commercial Container and Bulk terminals KANDLA & MUNDRA ports, gives us an additional advantage to ship smaller lots in the most timely and economical way.



Customer Tailored
Product Supply

Bulk Supplies
1.5 MT Jumbo Bags
50 Kg HDPE Laminated
Bags
50 Kgs Paper Bags

Customer Tailored
Oil Well Cement

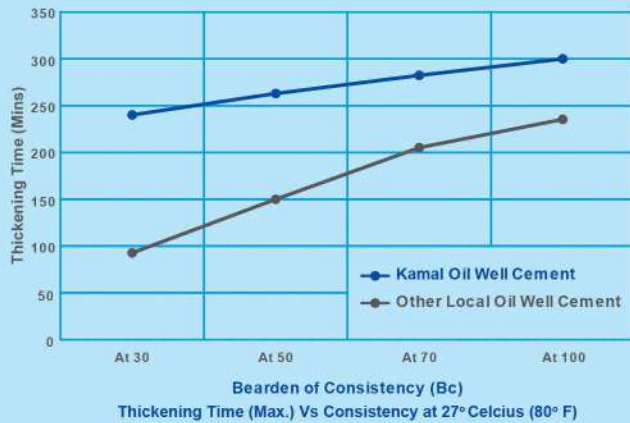
Your Sizing of Fineness
Your Desired Quality

**CUSTOMER
TAILORED
PRODUCT &
SOLUTION**

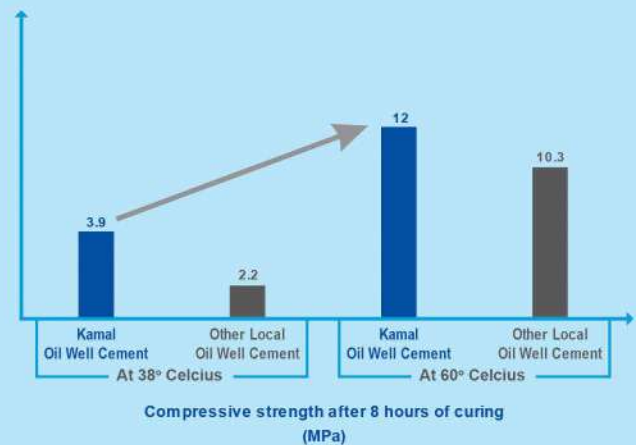
Your product with facility of
Bonding & Debonding

Separate Storage
Arrangement

PERFECT THICKENING TIME



PERFECT COMPRESSIVE STRENGTH



Quality Parameters	Required Spec.	KAMAL Oil Well Cement	Application Potential for Final Product	User Benefits
Mix water, (% of the weight of cement)	44	44	Improved H ₂ O Absorption	✓ Savings in Material Cost ✓ Cost Savings due to less
Free fluid content, Max(%)	5.9	3.9	Decreased Free Fluid	✓ Safety in Slurry Preparation ✓ Savings in Material Cost
Thickening time, Min./Max. (Minutes)	90 - 120	109	Controlled thickening, stiffing & setting times	✓ Safety in Slurry Pumping
Maximal consistency, 15-30 Minutes (Stirring Period=30BC)	30	16	Better Slurry Formation	✓ Safety in Slurry Preparation ✓ Safety in Slurry Pumping
Compressive Strength (MPa) (8h Curing Time)				
100°F, 38°C, Min.	2.1	3.9	Early Strength Elevated structure kinetics guarantee controlled WOC	✓ Time savings during cementing even under low temperature conditions
140°F, 60°C, Min.	10.3	11.9	Final Strength High final strengths (compressive, flexural-tensile, adhesion) Reserves for partial compensation by strength losses in case of lower slurry densities	✓ Saving of material costs ✓ Saving for final cementing
Particle Size Distribution (D 0.9) µm		90.2	Controlled Segregation Behaviour Better to disperse (Ligninsulphonate)	✓ Safety in Slurry Preparation
Degree of Sulphatization (DS)			Reduces formation of dicalcium silicate hydrate Support formation of tobermorite Decrease of pore content	✓ Safety for strength generation by quartz-addition in case of high borehole temperatures
C3S, Min./Max.(%)	48.0 - 65.0	59 + 2	High reactivity for additional C-S-H formation Controlled thickening, stiffening and setting times	✓ Cost savings in case of usage of silica flour and other pozzolanic materials
C3A, Max. (%)	3	1.8	High resistance against sulphate attack	✓ High durability-increase of wells' safety
MgO(%)	Max. 6.0	1.1	Negligible Expansion & crystallization	✓ High durability-increase of wells' safety
Loss on Ignition(%)	Max. 3.0	1.5	Negligible Prehydration or Carbonation	✓ More Shelf life of Cement

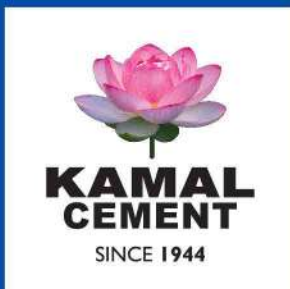


AWARDED IN RECOGNITION OF OUTSTANDING QUALITY & EXCELLENCE

Class G well cements are specified for deep, high temperature & pressure wells. Kamal Cement - Oil Well Cement is a superior quality product that comes with high sulphate resistance and provides consistent performance & highest durability.

OUR ESTEEMED CLIENTS

- GSPC GROUP
- BAKER HUGES
- ONGC
- Gail (INDIA) LTD.
- RELIANCE INDUSTRIES LTD.
- OIL INDIA LTD.
- SCHLUMBERGER
- HALLIBURTON
- FOCUS



Regd. Office & Works :

SHREE DIGVIJAY CEMENT CO. LTD.

📍 P. O. Digvijaygram - 361140. Via - Jamnagar, Gujarat, INDIA.

📞 Phone: +91 288 234 4272-75 | Fax: +91 288 234 4092

✉️ customersupport@digvijaycement.com

🌐 www.digvijaycement.com

KAMAL CEMENT is a product of SHREE DIGVIJAY CEMENT CO. LTD.