

Class G Oilwell Cement

Conforms to API Specifications for Materials and Testing for Well Cementing API Spec. 10A

Chemical Requirements	API Class G Requirements	Typical Lehigh Inland Performance
MgO max %	6.0	3.6
SO ₃ max %	3.0	2.5
Loss on Ign. max %	3.0	1.2
Insoluble Res. max %	0.75	0.16
C ₃ S max %	48 - 58	53.0
C ₃ A max %	8.0	2.8
Total Alkali as Na ₂ O %	0.75	0.6
Physical Requirements	API Class G Requirements	Typical Lehigh Inland Performance
Water % by wt. of cement	44.0	44.0
Soundness % max	0.8	0.09
Free water max ml	5.8	3.9
Min compr. str. MPa (8 hours) at temp. 38C, Atm. pressure at temp. 60C, Atm. pressure	2.1 10.3	3.5 15.0
Max consistency	30.0	10.0
Thickening Time (schedule 5) minimum (minutes)	90 - 120	110

The table above compares the properties of Lehigh Inland's Class G Oilwell Cement with the requirements of API Spec. 10A.

*Based on 250 ml volume, percentage equivalent of 3.5 ml is 1.4%

Uses

Class G Oilwell Cement is intended for use as a basic well cement for surface 2,440 m (8000 ft.) depth as manufactured or can be used with accelerators and retarders to cover a wide range of well depths and temperatures.

Lehigh Inland's Class G Oilwell Cement is available in bulk or in 40 kg bags.

Specifications

Due to rigid manufacturing standards, Lehigh Inland's Oilwell Cement has increased uniformity of physical and chemical properties. Class G Oilwell Cement offers dependable performance over extreme ranges of well conditions and better compatibility with additives.

For further information on Class G Oilwell Cement, please contact your nearest Lehigh Inland Cement representative.

Important Note

Because of the chemical properties of all types of cement, it is important to be aware of the following: **Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible. In the event of contact, wash exposed skin areas promptly with water. If any cement or cement mixtures come into contact with the eyes, rinse immediately and repeatedly with water and get prompt medical attention.**