

USG W-60 OIL WELL CEMENT

DESCRIPTION

USG W-60 Oil Well Cement is a high-strength gypsum cement that has been manufactured to provide a stabilized, controlled set. As an additive for altering set characteristics of Portland cement or in workovers, squeeze jobs, bridging plugs and other temporary work requiring quick set, expansion, high strength and easy drill-out.

NOTE These products should only be used in down hole applications and by experienced cement formulators. See *NOTICE* in gray bar on page 2. Please contact your local USG sales rep for more information.

TYPICAL PHYSICAL PROPERTIES

Normal Consistency	32 - 36cc
Vicat Set (Target)	60 minutes
Vicat Set (Range)	50 - 70 minutes
Compressive Strength (1 hour after Vicat Set)	3800 psi
Compressive Strength Dry	8500 psi
Expansion	0.1% - 0.3%

NOTE The *Typical Physical Properties* in the above table were achieved under controlled laboratory conditions with freshly produced material, results may vary.

ADVANTAGES

USG W-60 Oil Well Cement offers these advantages:

- Setting time can be adjusted in the field
- Has low permeability to inhibit intrusion of well fluids
- Can be pumped through 75% of the setting time
- High strength but easily drillable

W-60 has been used for lost circulation, blowouts, split pipe and bridging plugs. In addition, it can be used for other temporary work where quick set, positive expansion and high strength are necessary.

W-60 provides unique flow characteristics and setting properties when added to Portland cement-based down-hole cementing formulas. W-60 can also be used as a stand-alone product in maintenance (workovers) of existing wells.

DRILLING AND COMPLETION

Achieving a tight cement bond to both casing strings and formation is critical to controlling gas and fluid migration during cement jobs. The expansive properties and quick set of these gypsum-based products will help the experienced cement formulator produce a high-quality cement job.

W-60 adds an expansion characteristic to counter Portland cement shrinkage. It has a right-angle/snap-set behavior that minimizes transition times as well as gas migration during the job.

MAINTENANCE

W-60 can also be used as a stand-alone product in workover operations. It allows low permeability yet is easily drillable when used as a plug in workovers. High strength, expansive and fast-setting, W-60 is also pumpable through the majority of published set times. For reliable expansion and right angle/snap set during down-hole cementing applications or for high strength and quick-setting workover applications, use gypsum-based USG W-60 Oil Well Cement.

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

DANGER

Causes skin irritation. Causes serious eye damage. May cause cancer by inhalation of respirable crystalline silica. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Use only in a well-ventilated area, wear a NIOSH/ MSHA-approved respirator. Wear protective gloves/protective clothing/eye protection. If swallowed, inhaled, or skin irritation occurs get medical attention. When mixed with water, this material hardens and becomes very hot sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing. Wash contaminated clothing before reuse. Dispose of in accordance with local, state, and federal regulations. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com
KEEP OUT OF REACH OF CHILDREN.

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For all terms and conditions see usg.com/terms-and-conditions.

SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read applicable SDSs and literature before specification and installation.

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Manufactured by
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550 West Adams Street
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IG1871-USA-ENG/rev. 12-24
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