

USG

OIL WELL CEMENT: W-60 & W-120

DESCRIPTION

USG Oil Well Cement Brand products, W-60 and W-120, are high-strength gypsum cements that have been manufactured to provide a stabilized, controlled set.

TYPICAL PHYSICAL PROPERTIES

	W-60 Oil Well	W-120 Oil Well
Normal Consistency	32 - 36cc	32 - 36cc
Vicat Set (Target)	60 Minutes	120 Minutes
Vicat Set (Range)	50 - 70 Minutes	100 - 140 Minutes
Compressive Strength (1 hour after Vicat Set)	3800 PSI	3800 PSI
Compressive Strength Dry	8500 PSI	8500 PSI
Expansion	0.1% - 0.3%	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

W-60 and W-120 offer 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 and W-120 have been used for lost circulation, blowouts, split pipe and bridging plugs. In addition, they have found uses for other temporary work where quick set, positive expansion and high strength are necessary.

USG Oil Well Cement Brand products, W-60 and W-120, provide unique flow characteristics and setting properties when added to Portland cement-based down-hole cementing formulas. W-60 and W-120 can also be used as stand-alone products 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 and W-120 add an expansion characteristic to counter Portland cement shrinkage. Both products have right-angle/snap-set behavior that minimizes transition times as well as gas migration during the job.

MAINTENANCE

W-60 and W-120 can also be used as stand-alone products in workover operations. They allow low permeability, yet are easily drillable when used as a plug in workovers. High strength, expansive and fast-setting, W-60 and W-120 are 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 Oil Well Cement products, W-60 and W-120.

USES

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" below. Please contact your local USG sales rep for more information.

PRODUCT INFORMATION

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

DANGER

May cause cancer by inhalation of respirable crystalline silica. Do not handle until all safety precautions have been read and understood. 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 immediately get medical attention. Dust may cause irritation to eyes, skin, nose, throat and upper respiratory tract. If on skin: Wash with plenty of water. 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.

TRADEMARKS

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NOTICE

BECAUSE THE CONDITIONS OF USE OF THIS PRODUCT ARE BEYOND THE SELLER'S CONTROL, THE PRODUCT IS SOLD WITHOUT WARRANTY, EITHER EXPRESS OR IMPLIED, AND UPON CONDITION THAT PURCHASER MAKE ITS OWN TEST AND DETERMINE THE SUITABILITY FOR PURCHASER'S APPLICATION.

Purchaser assumes all risk of use and handling of this product. This product will be replaced if defective in manufacture or packaging or damaged. Except for such replacement, Seller is not liable for any damages caused by this product or its use. The statements and recommendations made herein are believed to be accurate. No guarantee of their accuracy is made, however. We shall not be liable for incidental or consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from the date it was or reasonably should have been discovered.

SAFETY FIRST!

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

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