

M&D Industries Of Louisiana, Inc.

ULTRA PLUG® SYSTEM

PRODUCT DESCRIPTION

Finally... say goodbye to the worry, confusion, calculation, and purchasing efforts of planning for a Dump Bailer Cement design. M&D Industries of La, Inc. introduces the ULTRA PLUG® System that provides an Engineered design for your Dump Bailer cementing application.

“Typical Time Savings Equal 48 Hours and the Elimination of a Positive Sealing Plug”

The combination of ULTRA SET® activator and ULTRA BOND® cement combines to provide the best and most rapid setting cement plug available in the industry. ULTRA SET® activator is formulated to produce 4½ gallons of fluid. The ULTRA BOND® Cement kit is formulated to produce 4, 5 or 6 gallons of 17.0 lb/gal cement slurry.

Simply use one ULTRA SET® activator solution with up to five pails of ULTRA BOND® cement along with the pre-measured water and you are ready to go.

The ULTRA PLUG® System provides everything you need to produce a rapid setting high anchor strength cement in a well for through tubing plug setting designed for applications from 100 to 400° F. Designed features include:

- Maximum Shear Bond***
- Excellent Gas Blocking Properties***
- Less Than 50 cc's Fluid Loss at 400°F***
- Low Rheologies***
- Excellent Down Hole Stability 4-6 Hour Thickening Time***
- Initial Set (50 psi) within 15 minutes to 1 hour after contact with Activator***

DESIGNED FOR MINIMAL WAITING ON CEMENT TIME

The ULTRA PLUG® System has the most rapid strength development of any system in the industry. The faster the cement will set and develop a high shear bond, the higher the anchor strength the cement will produce and higher pressure test the plug will withstand. The ULTRA PLUG® System is a combination of several proprietary materials that produce the shortest WOC times available. The following example shows two comparative jobs using the conventional cement dump bailer method and the ULTRA PLUG® System.

Job Conditions:

Casing – 5”

Bailer Length – 30’

Bailer Size – 2”

Test Pressure – 5000 psi

Depth of Well – 10,000’

Length of the plug – 25’

Bailer running speed – 165’/min

Example Job

Step in Process	Conventional Cement Method	ULTRA PLUG® Method
Place Sand	Yes	Yes
Place Activator	No	Yes
Place one cement kit	Yes	Yes
Close by pass valve	Yes	Yes
Wait on cement 18 hours	Yes	No
Place 5 cement kits	Yes	Yes
Wait on cement 24 hours	Yes	No
Total Time to pressure test	58 hours 56 minutes	18 hours 48 minutes*