

Diacel[®] LWL Powder Cement Fluid-Loss / Retarder Additive



Diacel[®] LWL Powder Cement Fluid-Loss / Retarder Additive is wide-temperature range additive that is dry blended with the cement powder prior to preparation of the cement slurry. Diacel[®] LWL Powder Cement Fluid-Loss / Retarder Additive is a bi-functional additive that is effective both as a retarder and fluid-loss control agent.

It can be used as a retarder on wells with bottom hole circulating temperatures (BHCT) of 150°F to 225°F. When used as a retarder, Diacel[®] LWL Powder Cement Fluid-Loss / Retarder Additive provides the additional benefit of improving the performance of other fluid-loss control agents. It can be used at BHCT less than 150°F by the addition of accelerators. At BHCT between 175°F to 225°F, Diacel[®] LWL Powder Cement Fluid-Loss / Retarder Additive can be used both as a retarder and fluid-loss control agent. Above 225°F, Diacel[®] LWL Powder Cement Fluid-Loss / Retarder Additive is used primarily as a fluid-loss control agent. The fluid-loss control performance of Diacel[®] LWL Powder Cement Fluid-Loss / Retarder Additive is improved when used in conjunction with dispersants and most retarders.

Application Areas

- All API classes of cement
- Freshwater, saltwater or seawater slurries

Typical Range of Use

Temperature	70°F - 350°F (21°C - 177°C) BHCT
Concentration	0.25% - 1.5% BWOC
Density	12 - 20 lb/US gal (1.44 - 2.4 g/cm ³)

Physical Properties

- Light tan powder
- Specific gravity = 1.35 g/cm³
- Complete water solubility

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. Drilling Specialties Company does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained herein or the product itself. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Further, information contained herein is given without reference to any intellectual property issues, as well as federal, state or local laws which may be encountered in the use thereof. Such questions should be investigated by the user.