

# Diacel<sup>®</sup> FL Powder Cement Fluid-Loss Additive



Diacel<sup>®</sup> FL Powder Cement Fluid-loss Additive is a low- to high-temperature range polymer that is dry blended with the cement powder prior to preparation of the cement slurry. Diacel<sup>®</sup> FL Winterized Liquid Cement Fluid-loss Additive is an aqueous-based liquid polymer that is added into the mix water prior to preparation of the cement slurry.

Both products are non-retarding fluid-loss agents. Their non-retarding property reduces the need for accelerators at low temperatures or with low-density cement slurries. Their fluid-loss control performance is improved when used in conjunction with dispersants and most retarders. With Diacel<sup>®</sup> FL Winterized Liquid Cement Fluid-loss Additive, a retarder is typically required above 100°F.

## Application Areas

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

## Typical Range of Use

<b>Temperature</b>	70°F - 450°F (21°C - 232°C) BHCT
<b>Concentration</b>	0.25% - 1.5% BWOC (powder) 0.22 - 2.5 US gal / 94-lb sack (liquid)
<b>Density</b>	12 - 20 lb/US gal (1.44 - 2.4 g/cm <sup>3</sup> )

## Physical Properties

### Diacel<sup>®</sup> FL Powder Cement Fluid-loss Additive

- White powder
- Specific gravity = 1.66 g/cm<sup>3</sup>
- Complete water solubility

### Diacel<sup>®</sup> FL Winterized Liquid Cement Fluid-loss Additive

- Freeze-conditioned aqueous liquid polymer
- Specific gravity = 1.11 g/cm<sup>3</sup>
- 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.