

# Diacel<sup>®</sup> RPM Powder Cement Dispersant Additive



## Rheological Profile Modifier

Diacel<sup>®</sup> RPM Powder and Liquid Cement Dispersant Additives are a cement dispersants. Diacel<sup>®</sup> RPM Powder Cement Dispersant Additive is typically dry blended with the cement prior to preparation of the cement slurry. Diacel<sup>®</sup> RPM Liquid Cement Dispersant Additive is typically added to the mixing water prior to preparation of the cement slurry.

Diacel<sup>®</sup> RPM Powder and Liquid Cement Dispersant Additives are used for the purpose of modifying the rheology of a cement slurry. Powder and Liquid Cement Dispersant Additives may be used to promote turbulent flow at a reduced flow rate as compared to neat cement slurries. Powder and Liquid Cement Dispersant Additives allow the mixing of densified slurries and reduces the concentration of weighting agents required for weighted slurries. Powder and Liquid Cement Dispersant Additives are particularly beneficial when used with fluid-loss control agents. The addition of Powder and Liquid Cement Dispersant Additives are will typically reduce the concentration of the fluid-loss control agent required to obtain a particular fluid-loss control value, resulting in improved economy.

## Application Areas

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

## Typical Range of Use

<b>Temperature</b>	> 60°F (16°C) BHCT
<b>Concentration</b>	0.25% - 1.5% BWOC (powder) 0.03 - .33 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> RPM Powder Cement Dispersant Additive

- Light tan powder
- Specific gravity = 1.36 g/cm<sup>3</sup>
- Complete water solubility

### Diacel<sup>®</sup> RPM Liquid Cement Dispersant Additive

- Light tan liquid
- Specific gravity = 1.23 g/cm<sup>3</sup>
- 40 wt % active solution of Diacel<sup>®</sup> RPM powder
- 0.022 US gal / 94-lb sack = 0.1% BWOC

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.