

Diacel[®] LTR-100 Powder Cement Retarder Additive



Diacel[®] LTR-100 Powder Cement Retarder Additive is a low-temperature retarder that is typically dry blended with the cement prior to preparation of the cement slurry. Diacel[®] LTR-100 Powder Cement Retarder Additive is used to extend the fluid life of the cement slurry. Extending the fluid life of the cement slurry allows for the mixing and placement of cement slurries in the wellbore annulus. Diacel[®] LTR-100 Powder Cement Retarder Additive has a mild dispersing effect on the slurry, resulting in improved rheological properties for most cement slurries. Diacel[®] LTR-100 Powder Cement Retarder Additive is synergistic with Diacel[®] RPM Powder and Liquid Cement Dispersant Additives, resulting in improved retardational and dispersive properties.

Diacel[®] LTR-100 Liquid Cement Retarder Additive is a low-temperature liquid retarder that is typically added to the mixing water prior to preparation of the cement slurry. Diacel[®] LTR-100 Liquid Cement Retarder Additive extends the thickening time of the cement slurry for the purpose of providing sufficient time for placement. Diacel[®] LTR-100 Liquid Cement Retarder Additive has a mild dispersing effect on the cement slurry, resulting in an improvement in the cement slurry rheology with most slurries.

Application Areas

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

Typical Range of Use

Temperature	< 212°F (100°C) BHCT
Concentration	0.1 to 0.5% BWO (powder) 0.025 - 0.5 US gal / 94 lb sack (liquid)
Density	12 - 20 lb/US gal (1.44 - 2.4 g/cm ³)

Physical Properties

Diacel[™] LTR-100 Powder

- Dark brown powder
- Specific gravity = 1.36 g/cm³
- Complete water solubility

Diacel[™] LTR-100 Liquid

- Dark brown liquid
- Specific gravity = 1.17 g/cm³
- 36 wt % active solution of Diacel[®] LTR-100 additive
- 0.026 US gal / 94 lb sack = 0.1% Diacel[®] LTR 100 BWO

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.