



DCD-32 Cement Friction Reducer/ Dispersant Product Data

DCD-32 cement friction reducer is intended for use in a wide range of cement slurries and is designed as a direct replacement for DCD-33 in conditions involving elevated temperatures and higher slurry salt content. Like DCD-33, DCD-32 helps improve the slurry's rheological properties and reduce pumping friction pressures. DCD-32 is designed for hard to mix cements or for reduced water slurries permitting ease of slurry preparation and pumping. DCD-32 additionally can handle higher temperature slurries (tested up to 300°F) and possesses a much higher salt tolerance.

Due to its dispersive capabilities, DCD-32 cement friction reducer allows for turbulent flow to be achieved at much lower pump rates. Additionally, DCD-32 is widely compatible with all standard API cement classes (including but not limited to A, C, G, and H) and allows for improved slurry viscosity, uniformity and consequently improved compressive strength development. DCD-32 can be used in both freshwater and salt cement slurries with temperature tested up to 300°F.

Advantages & Benefits

- Compatibility with all standard API cement classes.
- Suitable in freshwater and salt slurries in high temperatures.
- Lower friction pressure during pumping.
- Improved turbulent flow at reduced pumping rates.
- Ability to mix densified cement slurries.
- Widely compatible with CPI's additives.
- Improved slurry viscosity and uniformity enables improved cement strength development.
- Can be used in very low concentrations (normally 0.5% - 1.5% by weight of cement).

Cost

Total well costs are often lower as a result of higher product operational efficiency, fewer performance problems and less rig time. DCD-32 results in lower operational costs as a result of an increased drill rate and an increased cement bonding strength when applied.

Compatibility

DCD-32 is broadly compatible with all API classes of cements and both freshwater and salt slurries.

Recommended Treatment

0.5% to 1.5% by weight of cement (BWOC) depending on the application.

Handling

For specific instructions refer to MSDS information or as illustrated on product containers.

Packaging

50-pound (or 25kg), multilayered heavy-duty sacks. 40-45 bags a pallet.

Application	Material Properties
Suitability	Recommended for freshwater, Latex slurries, High salt, Acid Compatible and high temperature range (tested up to 300°F)
Color	Dark red to brown fine powder
% Solubility in Water	Soluble
Recommended Treatment	0.5% to 1.5% by weight of cement (BWOC)
pH (1% Solution in Water)	7.0 – 8.0

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