FlexCem™ Lightweight Variable Density Cement

DESCRIPTION

FlexCem™ LVD is a lightweight variable density well cement that is manufactured using patented technology where cement clinker and proprietary zeolite are interground in specific ratios. FlexCem™ LVD can be used in all types of cement applications as lead or tail and is compatible with virtually all cement additives.

PHYSICAL PROPERTIES

Optimum Density – 13.00 ppg
Water Requirement – 8.22 gal/sack
Yield – 1.58 ft³/sack
Absolute Volume – 0.042 gal/lb
Specific Gravity – 2.85
Bulk Density – 85 lb/sack
Blaine – 7700 cm²/g

ADVANTAGES

- **Lower Cost.** Economic gain of replacing a higher cost clinker with a lower cost proprietary zeolite.
- **Early strength to reduce WOC time.**
- **Allows for density adjustments within a single blend without adversely affecting slurry properties.**
- **Eliminates the need for separate blends for lead and tail slurries.**
- **Extends water-absorption capacity without retaining free water.**
- **Provides resistance to carbonation to maintain compressive strength and low permeability.**
- **Lower environmental impact associated with greenhouse gas emissions during Portland manufacture.**

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