

FlexCem™ LVD

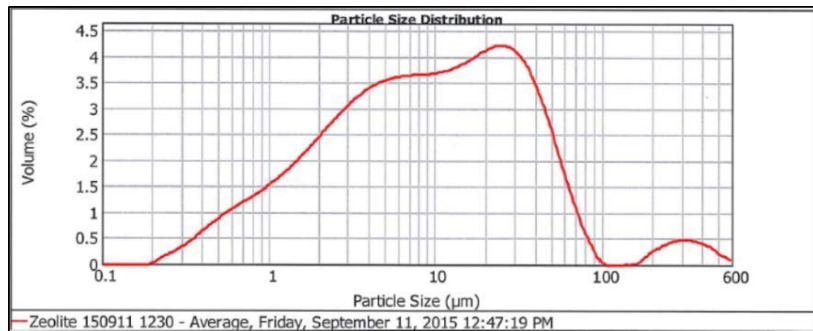
FlexCem™ Lightweight Variable Density Cement

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



COMPRESSIVE STRENGTH (API RP 10B-2)

| Density lbs/gal | Test Temp (°F) | Test Pressure (psi) | 50 psi At hh:mm | 500 psi At hh:mm | psi at 12:00 | psi at 24:00 | psi at 48:00 | psi at 72:00 |
|-----------------|----------------|---------------------|-----------------|------------------|--------------|--------------|--------------|--------------|
| 13.0 | 125 | 5,000 | 02:01 | 07:34 | 700 | 1209 | 2072 | 2391 |
| 14.3 | 125 | 5,000 | 01:23 | 03:03 | 1356 | 2148 | 3053 | 3319 |

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.

Trabits Group recommends that before using the product the user makes its own determination on the safe use and suitability of the product for the intended use. Trabits Group makes no representation or warranty of any kind with respect to the product and expressly disclaims all warranty of any kind, express or implied, including merchantability or fitness for a particular purpose. It is the responsibility of the user to ensure the product is suited for the user's application and can be used in a safe manner. The user assumes all risk and liability associated with the use of the product.