



IntegraCem™ Lite CO2

HIGH-STRENGTH, LIGHTWEIGHT CEMENTING SYSTEM

APPLICATIONS

- Primary and remedial cementing operations
- Oil and gas wells
- Low-fracture gradient environments

FEATURES & BENEFITS

- System can be used as a filler or completion cement
- Adapts to varied slurry densities
- System can be customized for specific well conditions
- Improved compressive strength compared to conventional lightweight cements
- Slurry stability at low density
- Compatible with other BJ cement additives
- Preblended lightweight systems improve operational efficiency compared to blended systems, lightweight beaded systems and foamed cement options
- Facilitated QC when compared to blended and conventional lightweight systems

OVERVIEW

IntegraCem Lite CO2 is a preblended cementing system specifically designed to provide low-density slurries. This technology consists of Portland cement and lightweight materials that allows a low to moderate density and a higher yield while maintaining excellent compressive strength properties.

IntegraCem Lite CO2 can achieve densities as low as 8 ppg (4123 kg/m³) when combined with other BJ lightweight systems.

Note: Consult your BJ Services representative for information on the availability of all IntegraCem Lite systems for your application

TYPICAL PROPERTIES

SACK WEIGHT	83 lb (38 kg)
SPECIFIC GRAVITY	2.90 (+/- 0.03)
ABSOLUTE VOLUME	0.0413 gal/lb (0.3447 L/kg)
TYPICAL DESIGN RANGE	11 to 13 ppg (5669 to 6700 kg/m ³)

TYPICAL 4-HOUR STRENGTHS

DENSITY	TEMPERATURE	COMPRESSIVE STRENGTH	TENSILE STRENGTH
11.5 ppg (5927 kg/m ³)	100°F (38°C)	> 500 psi (3.45 MPa)	> 50 psi (0.34 MPa)
11.5 ppg (5927 kg/m ³)	140°F (60°C)	> 800 psi (5.55 MPa)	-
12.0 ppg (6185 kg/m ³)	100°F (38°C)	> 800 psi (5.55 MPa)	> 80 psi (0.55 MPa)
12.0 ppg (6185 kg/m ³)	140°F (60°C)	> 1,200 psi (8.27 MPa)	-