



CA-LC7 VOLCANIC GLASS

DESCRIPTION

CA-LC7 is a form of expanded volcanic glass, commonly referred to as Perlite. Comprised of at least 75% silica, CA-LC7 works functions extremely well in low density cement slurries as a 1) lost circulation material, 2) extender, 3) insulator, and 4) anti-strength retrogression material.

PHYSICAL PROPERTIES

Material	Form	Sp. Grav	Abs. Vol	Packaging
CA-LC7	White Powder (Free Flowing)	2.40 @ 3000 psi	0.2460 gal/lb 0.095 gal/lb (3000 psi)	4 cu ft Bags

APPLICATION

CA-LC7 has very unique properties. When applied at wellbore temperatures above the softening point of the material, CA-LC7 expands 10 to 20 times in volume. Even if the material is partially crushed during application expansion will still occur.

Typically, 1/2 to 2 cubic feet of CA-LC7 can be mixed with one sack of Portland cement to prepare excellent low density slurries ranging from 14.0 ppg to as low as 10.5 ppg (respectively). At least 2% CA-EX5 is required in the cement slurry to keep the CA-LC7 from floating to the top of the cement slurry.