

CA-LX3L

LIQUID BONDING / FILTRATION CONTROL AGENT

DESCRIPTION

CA-LX3L is a liquid latex product used in cement to improve the filtration control and cement bonding to all types of surfaces. In addition, it is an excellent product to protect against gas and or fluid migration in cement slurries. CA-LX3L can be used in oil well cementing, cement grouting, or construction for improved bonding and cement durability.

PHYSICAL PROPERTIES

Material	Form	Sp. Gravity	Abs. Volume	Packaging
CA-LX3L	White Liquid	1.01	0.109 gal/lb	55 gal drums 5 gal pails

APPLICATION

CA-LX3L is used in cement to improve the cement bond to almost any surface. When the CA-LX3L and cement are mixed with water a latex network is created between the cement particles which reduces the permeability of the set cement, and coats the outer edge of the cement slurry with a sealant that bonds tightly to almost any water wet surface.

Typically, CA-LX3L is used in oil well cementing at concentrations ranging from 0.5 to 1.0 gal per sack of cement, although loadings may vary depending on bottom hole temperature. CA-LX3L slurries are compatible with fresh or sea water, most fluid loss additives, and retarders, and can be used at temperatures of 400°F. Using latex bonding agents such as CA-LX2 and CA-LX2L, and CA-LX3L may cause increased viscosity in many cement slurries. It is therefore recommended that the slurries be prepared with a high quality cement dispersant such as CA-FR3P. Dispersant loadings will vary with the type and amount of other additives present in the slurry, although in general, 0.3% to 1.0% (BWOC) should sufficiently reduce viscosity.

IMPORTANT NOTE: Messina recommends that you always use CA-GSS surfactant whenever you use CA-LX3L. While CA-LX3L is compatible with most cementing additives, it can react with the calcium in cement, which can cause excessive viscosity. By simply adding .1 - 1 gal/sack CA-GSS surfactant, this situation is avoided.

It is always recommended that laboratory pilot tests be conducted to optimize loadings prior to use in the field.



CA-LX3L has also been used successfully to control gas and fluid migration into the cement column.

CA-LX3L can also be used in cement grouting and in construction concretes to improve the bonding and to increase the durability of the set cement.

HANDLING

CA-LX3L will settle phase separate over prolonged storage, and re-agitation is suggested prior to application to ensure uniform delivery of the product.

