

DESCRIPTION

CR-104L is a 40% aqueous suspension of our powdered lignosulphonate cement retarder CR-104 for use when the bottom hole circulating temperature is up to 200°F. Unlike CR-106L, this retarder has no dispersing properties. The material is readily dispersible in the mixwater to provide uniform distribution of this additive throughout the cement system.

Liquid retarders are useful when rig space is limited and there may only be enough for bulk storage and pumping equipment.

APPLICATION

CR-104L should be added to the mixwater at a usual concentration of between 0.02 to 0.10gal/sk.

A concentration of 0.04gps in a 15.6ppg slurry at BHCT 125°F will give a thickening time of approximately 3hrs 30 mins. A concentration of 0.08gps under the same condition will give a thickening time of approximately 5hrs 30 mins. However these figures are totally dependant on the type and batch of cement and laboratory testing must always be done.

PHYSICAL PROPERTIES

Physical Appearance	Brown liquid
Odour	Very slight
Flash Point (°C) / Method Used	n/a
Specific Gravity	1.26g/ml @20°C
Dry Matter	50% +/-2%
pH	4.9 +/-0.5 in 10% aqueous sol'n
Solubility	Soluble in water

PACKAGING

Usually supplied in 200L steel drums

ADDITIONAL INFORMATION

None