

## INFORMATION

# CA-R8

### LOW TEMPERATURE RETARDER

#### DESCRIPTION

CA-R8 is a high quality organic-type retarder and dispersant for modified cement slurries containing a high percentage of bentonite. It is compatible with most API cements.

#### APPLICATION

CA-R8, when used in slurries containing up to 25% gel, is effective to 12,000 foot depths at static temperatures up to 260°F.

As a dispersant, CA-R8 helps prevent premature gelling of cement slurry during mixing. An added benefit of CA-R8 in gel cement slurries is its ability to help reduce fluid loss to thieving formations during placement.

In slurries other than gel cement, CA-R8 may also be used as a retarder and dispersant when high slurry viscosity causes problems in mixing.

#### RECOMMENDED TREATMENT

Percent retarder to approximate a three-hour thickening time:

WELL DEPTH FEET	BOTTOM HOLESTATIC TEMPERATURE °F	12% BENTONITE	25% BENTONITE
Less than 4,000	Under 140	0.0	1.0
4,000 - 6,000	140 - 170	0.3 - 0.4	1.2
6,000 - 10,000	170 - 230	0.4 - 0.6	1.4
10,000 - 12,000	230 - 260	0.6 - 0.8	1.6

**MISCELLANEOUS**

Prices and delivery schedules are available from any Messina office, area representative or distributor.

**PACKAGING**

CA-R8 is packaged in 50 lb export quality paper bags.

CA-R8 is a Messina trademark