



PRODUCT DATA SHEET

FR-1

Oilfield Chemicals Cement Retarder

DESCRIPTION

Economy's FR-1 is a lignosulfonate cement retarder used to control the thickening time of a cement slurry.

ADVANTAGES

FR-1 is a free flowing powder that may be dry blended with cement before mixing. It may be used to control the setting of a slurry for bottom hole circulating temperatures up to 250°F (121°C). It has a retarding and dispersing effect on the cement slurry during placement.

APPLICATION

FR-1 may be used for retarding any API class of cement (A, C, G or H). It may be used with other cement additives such as fluid loss additives, silica flour, dispersants, defoamers and weighting materials.

PROPERTIES

Tan Powder Appearance

Specific Gravity 1.19 **Bulk Density** 24 lb/ft3

4.5 pН

Water Requirements none

Packaging 50 lb. bags Loading Rate 0.1 to 2.0% bwc

See Thickening Time Data

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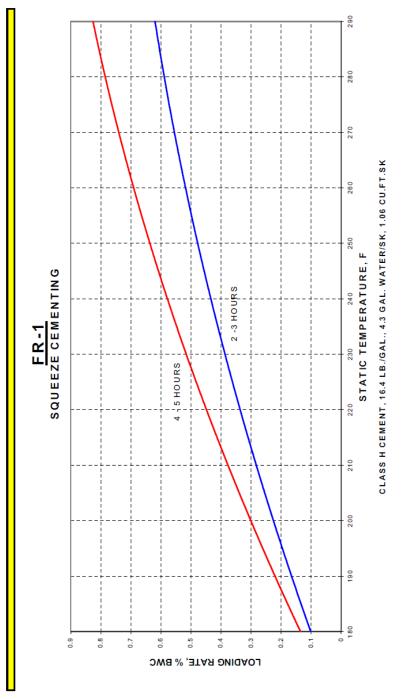
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