P-SR400L

TECHNICAL DATA SHEET

DATE: JANUARY 1, 2026

PETROCHEM – HIGH TEMPERATURE SYNTHETIC RETARDER 400 (LIQUID)

PRODUCT DESCRIPTION

P-SR400L is a liquid synthetic cement retarder formulated to control cement hydration and extend thickening time in high-temperature and high-pressure (HTHP) cementing systems, maintaining slurry pumpability for effective cement placement.

APPLICATIONS

- Primary and remedial cementing operations
- Intermediate and production casing cementing
- High-temperature and high-pressure (HTHP) wells
- Freshwater and seawater cement formulations

TECHNICAL DATA

- Provides dosage-dependent thickening-time control
- Maintains slurry pumpability and rheological stability under elevated temperatures
- Supports consistent setting characteristics
- Compatible with common cementing additives, subject to laboratory verification
- Disperses readily in cement mix water

TYPICAL PROPERTIES

- Appearance: Brown Liquid
- Specific Gravity: 1.22
- Temperature Range: < 400°F (204°C)

RECOMMENDED TREATMENT

- Typical concentration: 0.05–1.5 gal/sk
- Adjust dosage for cement composition, BHCT, and required placement time
- Thickening time and performance should be confirmed through API laboratory testing using actual cement, mix water, and additive systems prior to field application

PACKAGING

- Packaged in 4 × 55-gallon (208 L) drums per pallet
- Bulk or custom packaging options available upon request

SAFETY

- Refer to the Safety Data Sheet (SDS) prior to handling or use

NOTICE

The information provided herein is offered in good faith; however, no warranties, express or implied, are made. Users are responsible for determining product suitability and performance under actual operating conditions.