



# P-XCA4

## TECHNICAL DATA SHEET

DATE: JANUARY 1, 2026

### PETROCHEM –HIGH TEMPERATURE EXPANDING CEMENT ADDITIVE 4 (POWDER)

#### PRODUCT DESCRIPTION

P-XCA4 is a powdered expanding cement additive designed for high temperature cementing systems. The additive provides early expansion of the set cement, improves bonding for better zonal isolation, prevents cement volume loss due to shrinkage, and helps prevent fluid and gas migration while maintaining minimal impact on slurry viscosity and thickening time.

#### APPLICATIONS

- Expanding additive for high temperature cementing systems
- Primary and remedial cementing operations
- Applications requiring shrinkage compensation and improved bonding

#### TECHNICAL DATA

- Provides early expansion of set cement
- Compensates for cement shrinkage and volume loss
- Improves cement bonding and zonal isolation
- Helps prevent fluid and gas migration
- Compatible with API cement classes and common additives
- Minimal impact on slurry viscosity and thickening time

#### TYPICAL PROPERTIES

- Appearance: Brown Powder
- Specific Gravity: 3.19
- Temperature Range: 93°C to 204°C / 200°F to 400°F

#### RECOMMENDED TREATMENT

- Typical dosage: 1% – 10% BWOC
- Final dosage must be confirmed through laboratory testing under actual slurry conditions

#### PACKAGING

- Packaged in 40 × 50 lb (22.7 kg) sacks 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.