



P-ESA

TECHNICAL DATA SHEET

DATE: JANUARY 1, 2026

PETROCHEM – ENHANCED STRENGTH ADDITIVE

PRODUCT DESCRIPTION

P-ESA is a fibrous cementing additive designed to increase the stress resistance of cement by reinforcing the matrix and distributing stress throughout the set cement. The additive improves tensile, compressive, and shear strength, supporting mechanical integrity and long-term zonal isolation.

APPLICATIONS

- Strength enhancement additive for cementing systems
- Primary and remedial cementing operations
- Cement systems requiring increased stress resistance
- Wells requiring improved mechanical integrity and long-term zonal isolation

TECHNICAL DATA

- Reinforces cement matrix by distributing stress throughout the set cement
- Increases tensile, compressive, and shear strength
- Compatible with cement systems and commonly used cement additives
- Recommended for applications requiring increased stress resistance
- High-viscosity systems (e.g., thixotropic or high gel cement) should be laboratory tested to confirm slurry pumpability

TYPICAL PROPERTIES

- Appearance: White Fibers
- Specific Gravity: 1.14
- Temperature Range: < 232°C / < 450°F

RECOMMENDED TREATMENT

- Typical dosage: 0.25 – 0.50 lb/sk
- Provides increased compressive, tensile, and shear strength
- 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.