



P-G350

PRODUCT DATA SHEET

1/10/22

P-G350 (PETROCHEM - ANTI-GAS MIGRATION ADDITIVE POWDER)

TECHNICAL DATA

- **P-G350** significantly improves the set cement's compaction & compressive strength while reducing permeability.
- **P-G350** can be used in freshwater or salt water, salt-tolerant up to saturation, (if required, use with a salt-resistant fluid loss additive).
- **P-G350** can be dry mixed/blended with cement & additives with no water quality required.

PHYSICAL AND CHEMICAL INDICATORS

Appearance	Bulk Density, lbs./ft ³	Water-Solubility	0.315mm Sieve (45 mesh) Residues, %
Gray powder	71.79	Insoluble	<12

CEMENT SLURRY DESIGN

Cement Slurry Density	Recommended Dosage
15.85 lbs./gal	2.0-8.0% (BWOC)
Fresh water, W/C=0.44	
18% Salt water, W/C=0.58	

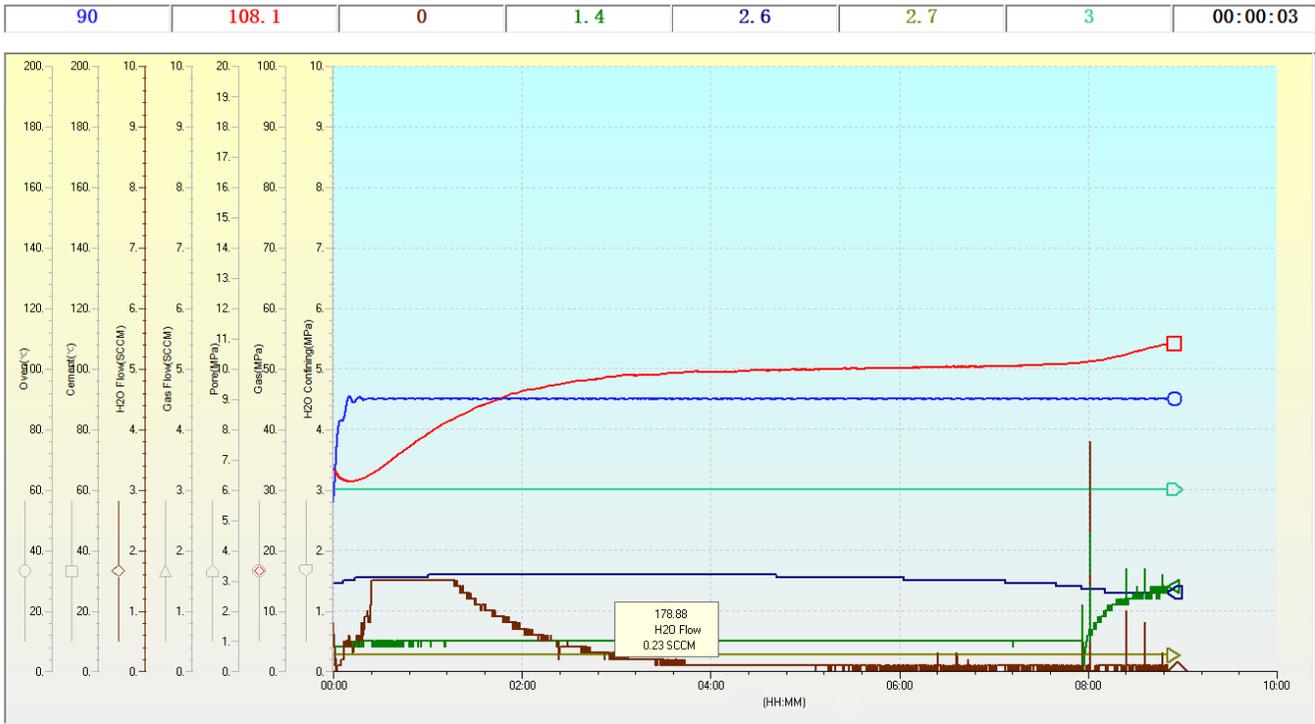
CEMENT SLURRY PERFORMANCE

Item	Test Condition	Technical Indicator
Initial consistency, Bc	194°F / 49min @ 7,700 PSI	≤30
Thickening time, min		≥100 Adjustable
18% brine fluid loss, ml	194°F / 1,000 PSI	<50
Free fluid, %	194°F / Atmospheric Pressure	0
24h compressive strength, PSI	194°F / 3,000 PSI	>2,030

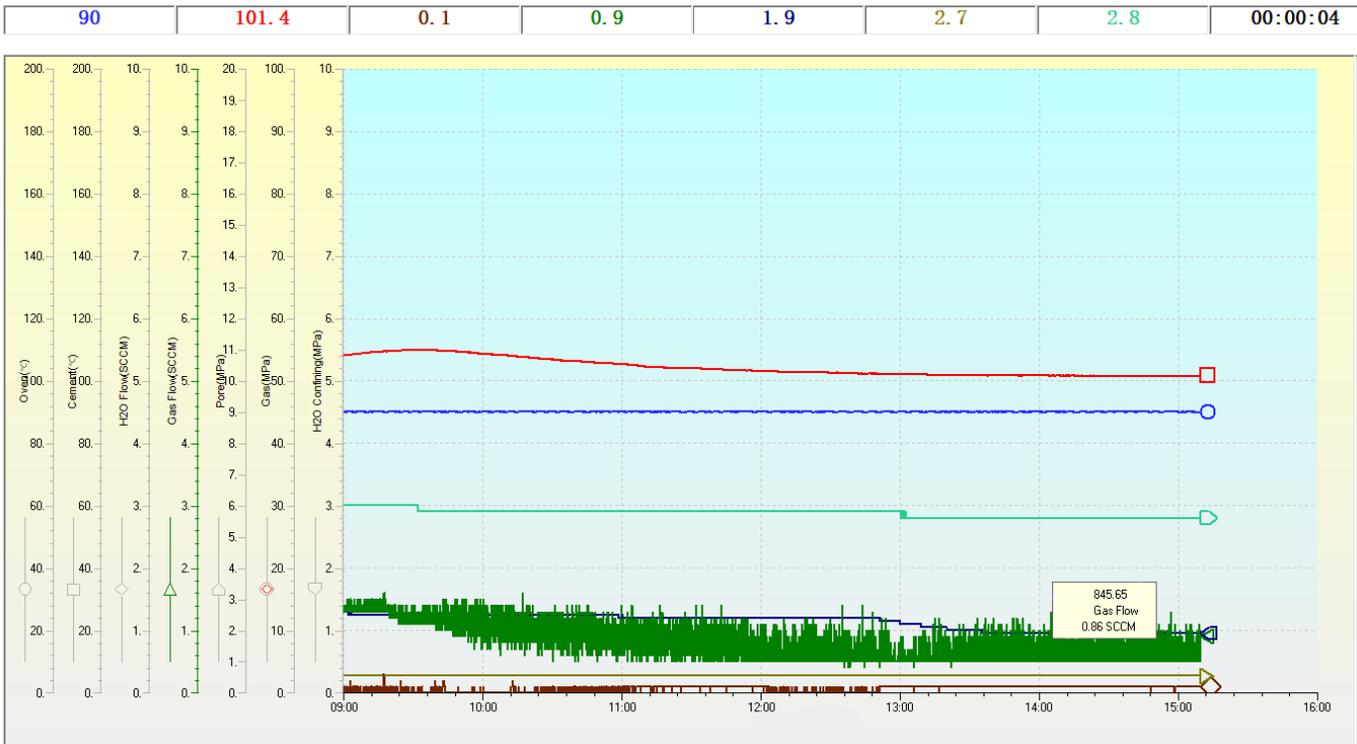
Composition (% BWOC): **API Class G Cement** (600g), (35%) **SILICA FLOUR** (210g), (58%) **MIXED WATER** (348g) + (5.5%) **P-G350** Anti-Gas Migration Additive (33g) + (0.2%) **P-NFP** Antifoam/Defoamer (1.2g).



CHANDLER - MODEL 7200 CEMENT HYDRATION ANALYZER TESTER : PHASE 1



CHANDLER - MODEL 7200 CEMENT HYDRATION ANALYZER TESTER : PHASE 2



- RED LINE – CEMENT TEMPERATURE
- BLUE LINE – HEATING OVEN TEMPERATURE
- LIGHT GREEN LINE – WATER PRESSURE
- DARK BLUE LINE – PORE PRESSURE
- GREEN LINE – GAS FLOW
- DARK GREEN LINE – GAS PRESSURE
- BROWN LINE – WATER FLOW



PROPERTIES

- Appearance: Gray (Powder)
- Specific Gravity: 1.48
- Temperature Range: < 350°F

PACKAGING

- **P-G350** is packaged in 40 x 50 lb. Sacks / Pallet.

SAFETY

- Read the SDS before use.