



P-G350

CEMENTING SERVICE BULLETIN

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.
- Use in freshwater or salt water, salt-tolerant up to saturation.
- Applicable Temperature: 0-176°C (32-350°F)
- If required - use with a salt-resistant fluid loss additive.
- 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).		

PROPERTIES:

PRODUCT	FORM	SP.GR.	PACKAGING
P-G350	GRAY POWDER	1.48	55 LBS/SACK

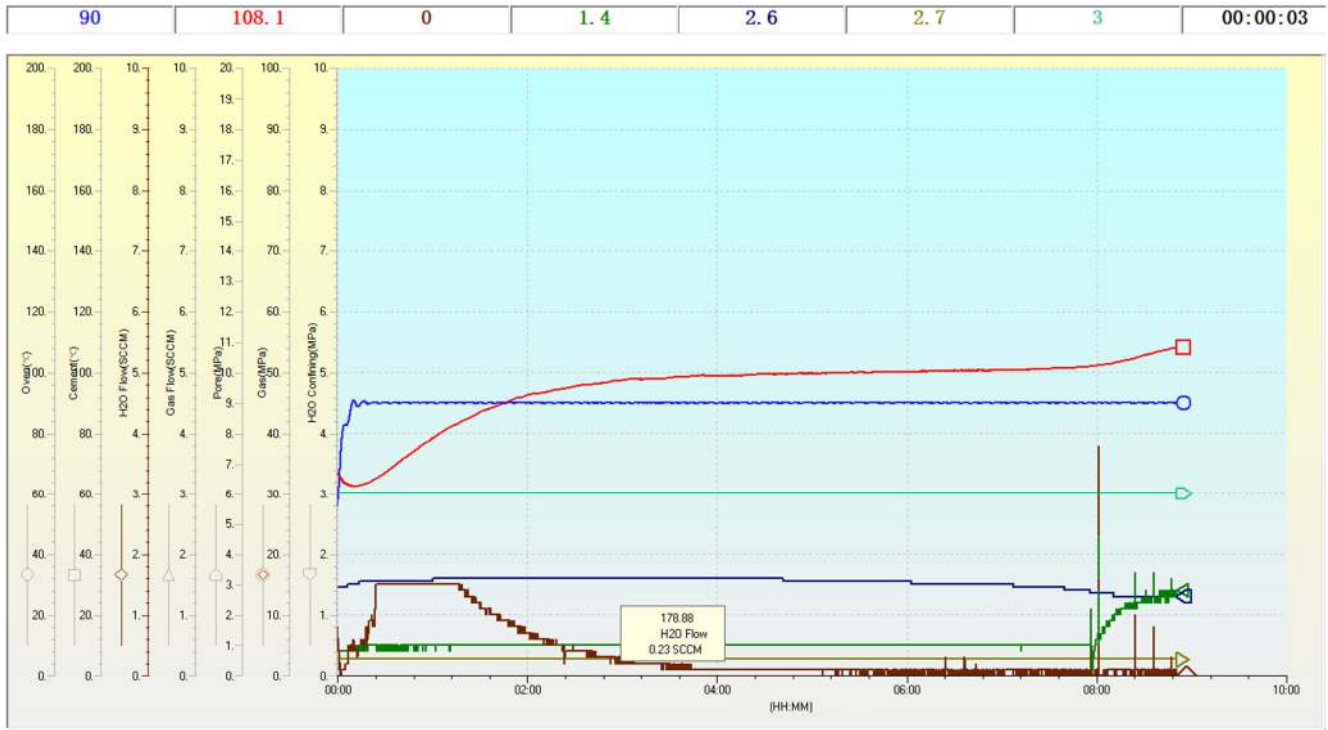
SAFETY:

Please read the SDS before use.

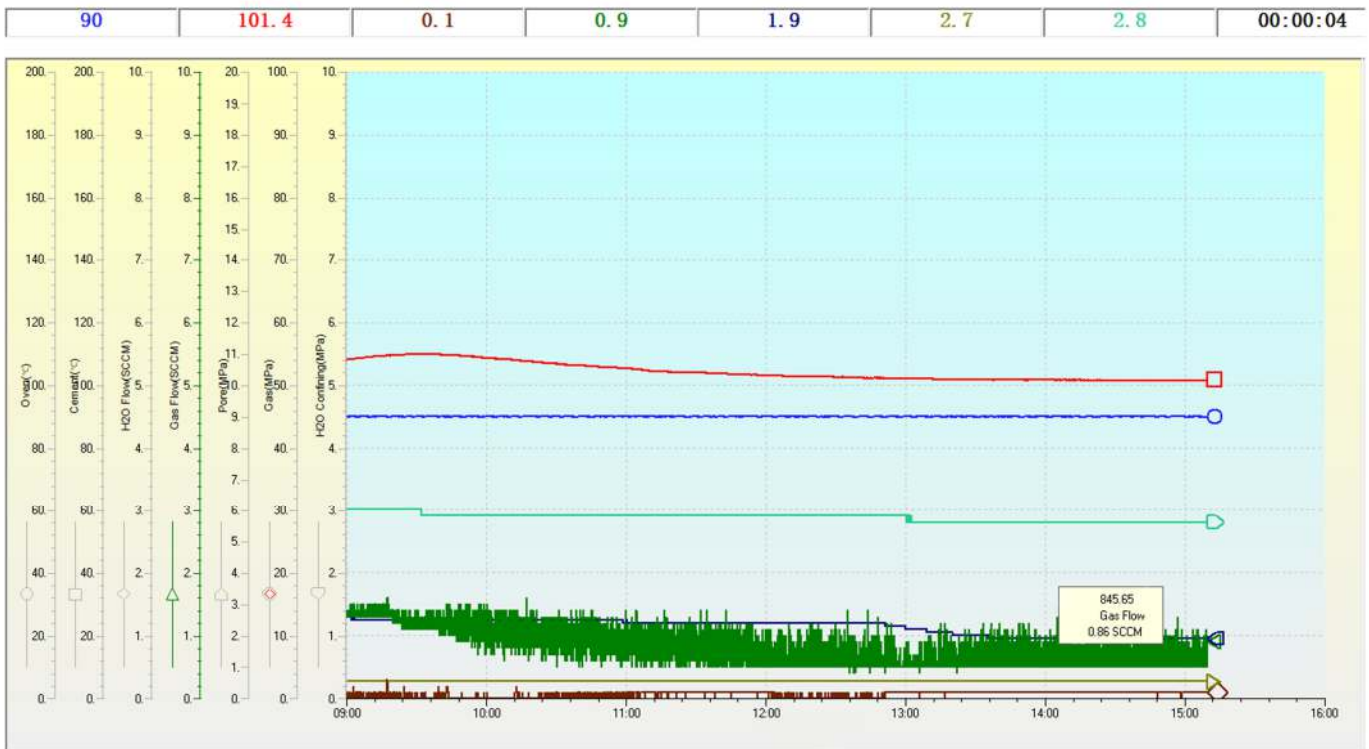
STORAGE:

Normally used within 18 months after production. If expired, test should be done to confirm the quality. Store in ventilated, cool & dry area, avoid exposing to sun and rain.

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 TEMPERARTURE
- LIGHT GREEN LINE – WATER PRESSURE
- DARK BLUE LINE – PORE PRESSURE
- GREEN LINE – GAS FLOW
- DARK GREEN LINE – GAS PRESSURE
- BROWN LINE – WATER FLOW