

A component of the Pro-Seal ECCO® oil fields wet soil stabilization and fluid

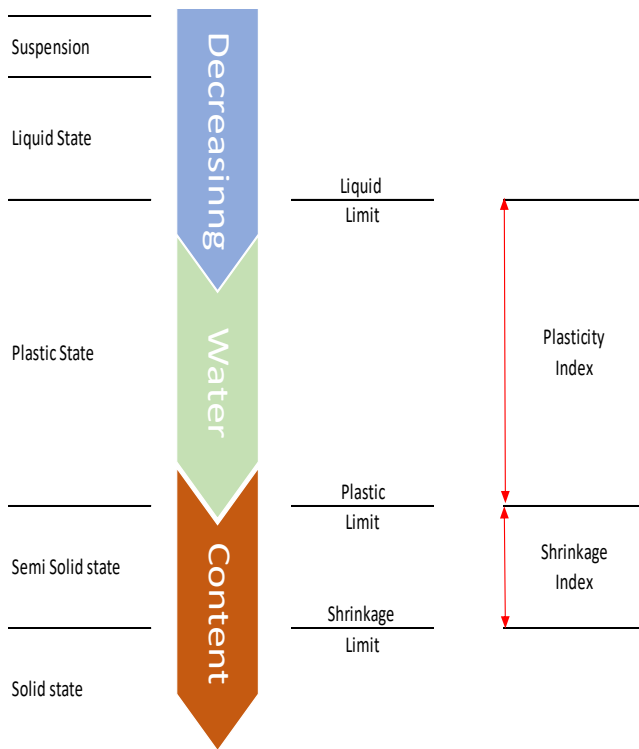


CBR: .1 penetration, up to 1,925 psi, it is hydrophobic, anionic, Rapid set time, in situ mix or pump, full function 12 hour. Pro-SealECCO systems be designed to generate up to or greater than 7,800 psi. contact technical.



(Above) Pond Liner failure due to slumping soil from recent rains. Avoided this use Pro-Seal/ECCO System® O stabilization under the liner.

Atterberg Limit Indices



Atterberg Limit test results table (right)

16% MC Atterberg Limits (Wet Soils Testing >16% Mc, minimum 4% >)		
Soil Classification	Soil Description	Natural Plasticity
CH	Blue Clay	Highly Platicity
CH Pro-Seal® Stabilized		
Liquid Limit		No Flow
Plastic Limit		Not Plastic
Plastic Index		NP
Allowable Blows		35
Blows		> 100
% Exceeded Blows		> 65%
Soil Classification	Soil Description	Natural Plasticity
CL	Silty Sandy Clay	Medium Platicity
CL Pro-Seal® Stabilized		
Liquid Limit		No Flow
Plastic Limit		Not Plastic
Plastic Index		NP
Allowable Blows		35
Blows		> 100
% Exceeded Blows		> 65%



Note: Wet soils are defined as soils with > 5.16% moisture content (MC) minimum +4%.

Pro-Seal XXXWCrete® Drilling/Fracking Pads & access ways (wet soils O)



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Specifications:

ASTM (modified)	Test	Data Typical
CBR Test 50 Lab Test AASHTO T-193 Additive Range 5% lower up to 12% upper	CBR Final Range .10 penetration (Roads), +900psi - +1500psi subject to soil type & % additives allowable.	1 day + 750psi 7 day +900psi 28-day range +1130 to +1925psi Range Mean +1527psi
ASTM C 109	Tensile Shear	24 Hrs. 90psi 7 days 110psi 28 days 128psi
ASTM C226	Initial Set Time	Initial +1 min. Final ± 30 min.
CSA	Full Traffic Set	± 12 - 24 Hours

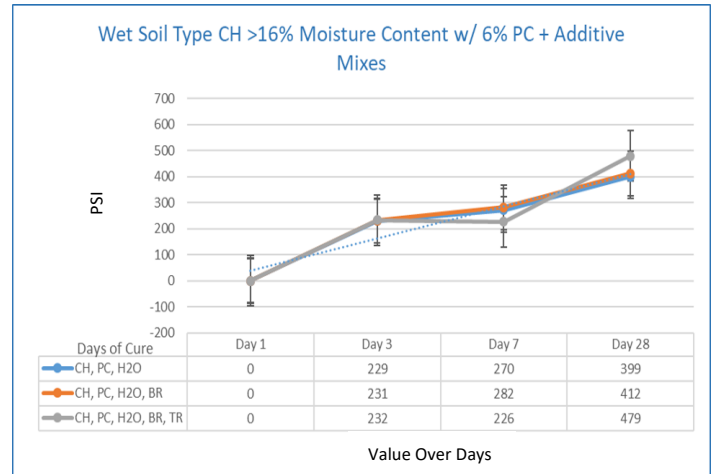
Technical:

Information	Value
Material	1 part of a System
Mix Time	Till infused
Appearance	Dry, dirty gray, extremely fine talc powder
Initial Work Time	+ 35 minutes
Initial Cure to Time Traffic	+08 Hours
Final Cure Time to Heavies Traffic	+24 Hours
V.O.C.	Zero
Enviro Hazard	None Known
Packaging	Bulk as Required
Always contact pro-SealCorp technical for guide specification services before using - 800 349 7325	

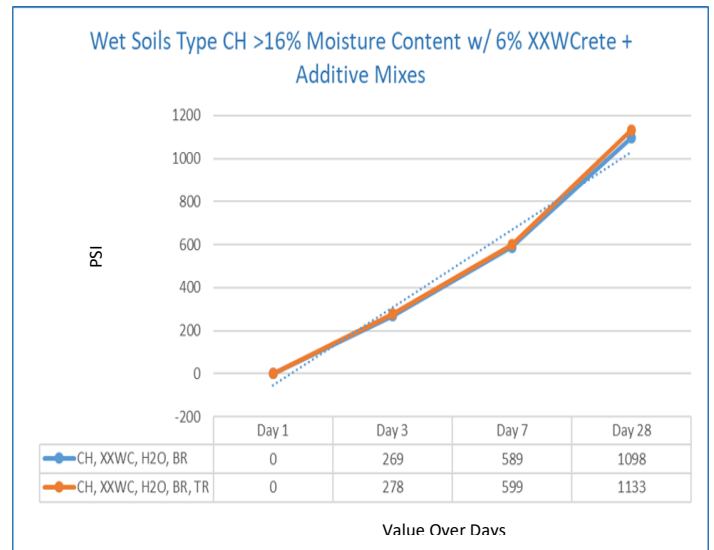
Pro-Seal Products:

Pro-Seal XXXWCrete® O is a Miso inorganic, Nano anionic, infused polymer. Pro-SealECCO XXXWCrete® O material is to be used only used only with Pro-SealECCO Nano-Crete® O, Pro-Seal BedR.O.C.® O and Pro-Seal TopR.O.C.® O in **wet classified soils conditions** as a component of the patented Pro-Seal-ECCO System® to structurally stabilize oil fracking, drilling pad or access road soils. Pro-SealECCO® O repels water to avoid water saturation, stop leaching, washouts, potholing, rutting or liquifaxing and slumping of treated pond soils. It is mixed in situ with the target soils. This process is highly cost effective when it is properly integrated as a system with target soils.

Below Comparative Strength Tables, Wet Soils Stabilization Portland cement versus Pro-SealECCO XXXWCrete®



Compare Portland Cement stabilization (above) in wet soils versus XXXWCrete O stabilization for wet soils (below). XXXWCrete O stabilization demonstrates clearly significantly greater performance.



Caution:

Use only with Pro-Seal ECCO System® materials Pro-SealECCO; NanoCrete (all forms), NanoCrete® (all forms), BedROC® (all forms) and TopROC®. Wear a dust mask, see SDS, as Pro-SealECCO® materials may cause irritation to sinuses, irritate allergies, or cause pneumonia. Keep out of reach of children. Always keep lids on open pails. Call a doctor immediately if swallowed. Do not induce vomiting. It is up to the user to determine if this product and system are appropriate for their own uses. Pro-SealCorp makes no claim of warranty of use or performance verbal or written. Any such claim is not valid unless authorized, properly documented, procedural written format and authorization is made by appropriate officers of Pro-Seal Corp.



Division of Pro-SealCorp

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