

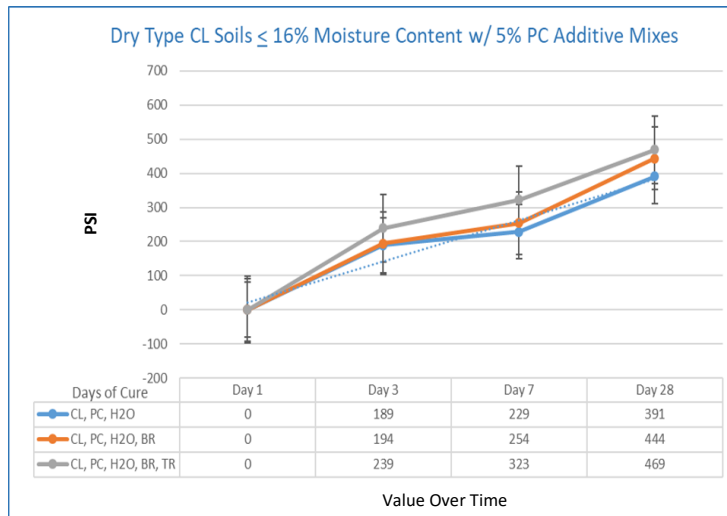
Pro-SealECCO® NanoCrete (dry soils G)



A dry soils component of the Pro-Seal ECCO® soil stabilization and toxic binding systems products.

Specifications Typical:

ASTM (modified)	Test	Data Typical
CBR Test 50 AASHTO -193 6% additive lower ranges 18% additive higher ranges	CBR Final Range .10 penetration (Roads), +900psi - +1500psi subject to soil type & % additives allowable.	1 day + 750psi 7 day +900psi 28 - day range +1200 to +2600psi Range Mean +1900psi
ASTM C 109	Tensile Shear	24 Hrs. 90psi 7 days 112 psi 28 days 132psi
ASTM C226	Initial Set Time	Initial + 1minute Final ± 45 minutes
CSA	Full Traffic Set	+ 12 - 24 Hours



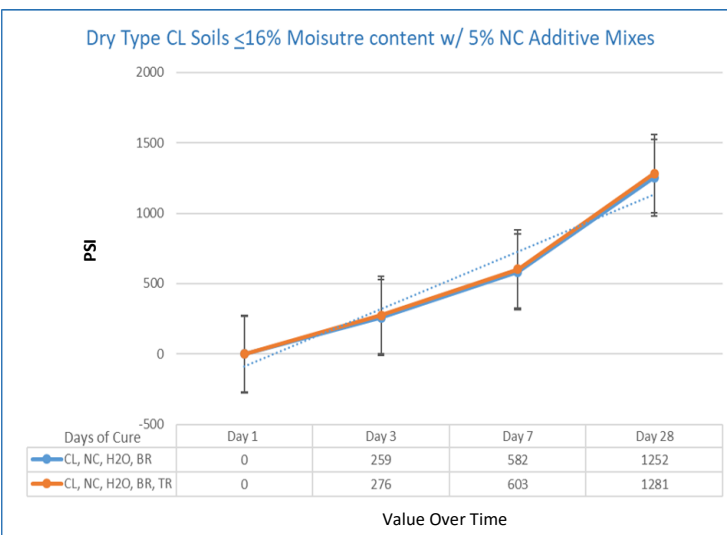
Compare Portland Cement (PC) stabilization psi (above) mixed with natural soils versus NanoCrete (NC) stabilization psi mixed with natural soils (below). NanoCrete stabilization clearly demonstrates significantly greater performance.

Note: both additives incorporated Pro-Seal BedROC (BR) and TopROC (TR).

Technical:

Information	Value
Material	1 part of a System
Mix Time	Till infused
Appearance	Dry, white gray, extremely fine talc powder
Initial Work Time	+ 45 minutes
Initial Cure to Time Traffic	+12 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



Product Description:

Pro-SealECCO NanoCrete® G is a Miso inorganic, Nano Novel Matrix material. This material to be used only with Pro-Seal XXWCrete®, Pro-SealECCO BedR.O.C.® and other Pro-Seal-ECCO TopR.O.C.® as a component of the Pro-SealECCO System®. This system stabilizes waste and methane soils, repels water to avoid water saturation, potholing, and wash-outs of treated methane soils. The Pro-SealECCO G System 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.



(Above) Waste garbage methane plant. Table (next page) displays the results of Atterberg Limit and Plasticity testing for dry natural soils mixed with the Pro-Seal ECCO® Stabilization System for mining soils containing ≤ 16% Moisture Content (MC).

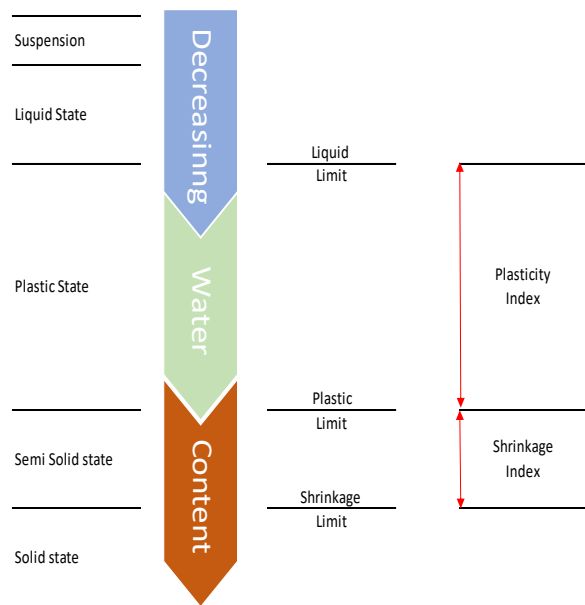
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Pro-SealECCO® NanoCrete (dry soils G)



A dry soils component of the Pro-Seal ECCO® soil stabilization and toxic binding systems products.



Atterberg Limits		
Soil Classification	Soil Description	Natural Plasticity
CH	Blue Clay	Highly Plasticity
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 Plasticity
CL Pro-Seal® Stabilized		
Liquid Limit		No Flow
Plastic Limit		Not Plastic
Plastic Index		NP
Allowable Blows		35
Blows		> 100
% Exceeded Blows		> 65%

Uses:

- Rapid Road Base Build
- Drainage Channels Stabilization
- Rapid Road Repair
- Slope Stabilization
- Site Erosion, Mud, and Dust Control
- Freeze Thaw Protection and Washout Control
- Contain Soil Expansion and Heaving
- Long Term Dust Control
- Berm and Leaching Pond Structural Enhancement
- Cake Stacking structural Enhancement
- Toxic Leachate containment and control

Email tech: information@prosealcorp.com

Call for technical support: 800 349 7325

The Pro-SealECCO Soils System® is:

- Easy to integrate in situ in to bermed soils
- Cake Stacked, Bermed Soils, Other Soils
- Minimal preparation required
- Zero V.O.C.'s
- Rapid Road Build ready for heavy traffic in 12 hours
- Quickly develops CBR strength and psi of 900 to 2600 psi depending on soil type and organic content
- Leaves dense stable soil base
- Used for stabilization, binding in toxic Minerals & Containment
- Mud control & dust control



Caution: Use only with Pro-SealECCO® System materials Pro-SealECCO®, NanoCrete® (all forms), XXXWCRETE® (all forms), BedR.O.C.® (all forms) and TopR.O.C.®. 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®.

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