Pro-Seal*ECCO* NanoCrete® Mining (dry soils M)

Is an essential, dry soils component of the Pro-Seal *ECCO*® tailings soil stabilization and toxic binding systems products

Specifications Typical:

ASTM (modified)	Test	Data Typical
CBR Test 50 Lab Test ASTM 1888 AASHTO -193 ASTM Field Test 4489	CBR Final Range .10 penetration (Roads), +900psi - +1500 psi 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

Technical:

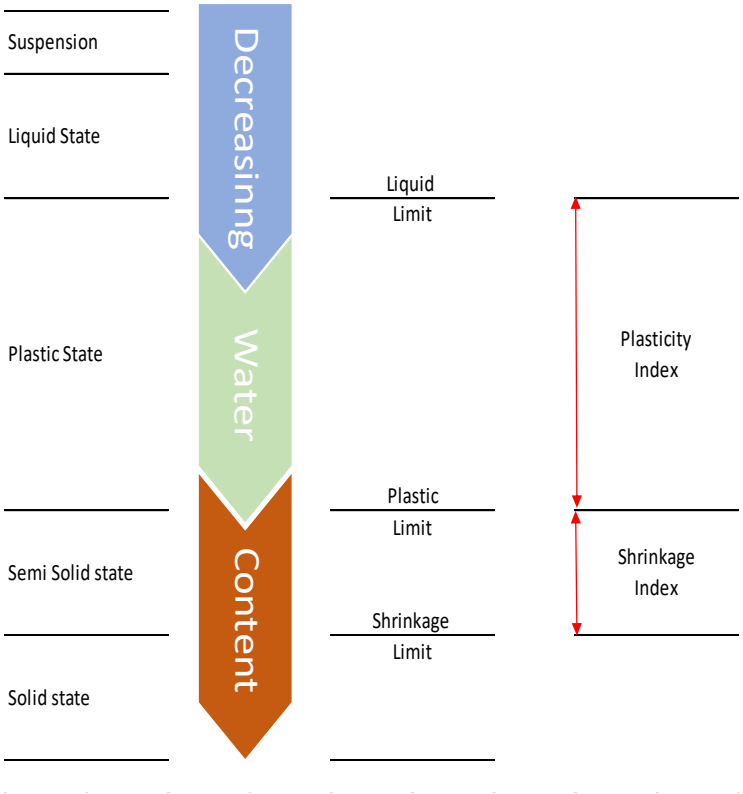
Information	Value
Material	1 part of a System
Mix Time	Till infused
Appearance	Dry, white gray, extremely fine talc powder
Initial Work Time	± 45 minutes
Initial Cure to Time Traffic	±12 Hours
Final Cure Time to Heavies Traffic	± 24 Hours
V.O.C.	Zero
Enviro Hazard	None Known
Packaging	Bulk as Required
Always contact pro-SealCorp technical for guide specification services before using - 800 349 7325	

Product Description:

Pro-Seal*ECCO* NanoCrete® M is a Miso inorganic, Nano anionic, infused polymer. This material to be used only with Pro-Seal XXWCrete® M, Pro-Seal*ECCO* BedR.O.C.® M, Pro-Seal*ECCO* TopR.O.C.® M, and other M components, as a component of the Pro-Seal*ECCO* System® M to stabilize mining road base soils, toxic tailings soils and to repel water to avoid water saturation, liquefaction, potholing, washouts of treated soils. The Pro-Seal*ECCO* 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.

CBR: .1 penetration, up to 2,600 psi, it is hydrophobic, anionic, Rapid set time, in situ mix or pump, full traffic 8 to 12 hrs.

Atterberg Limit Indices



PRO-SEAL® ECCO Division of Pro-SealCorp

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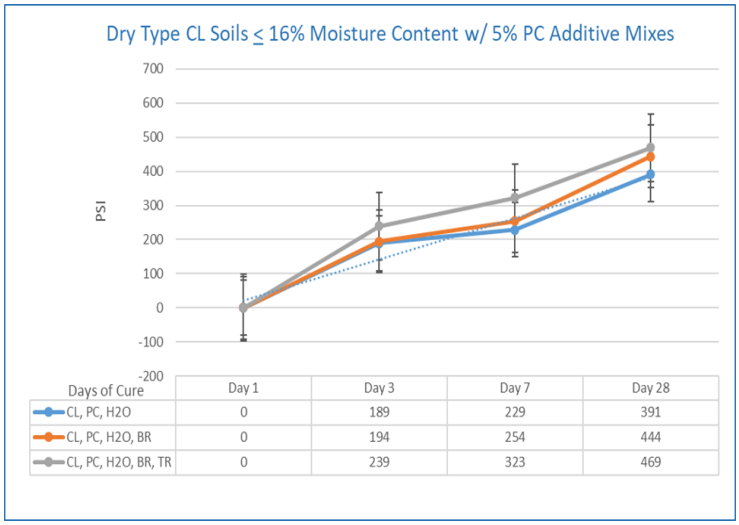
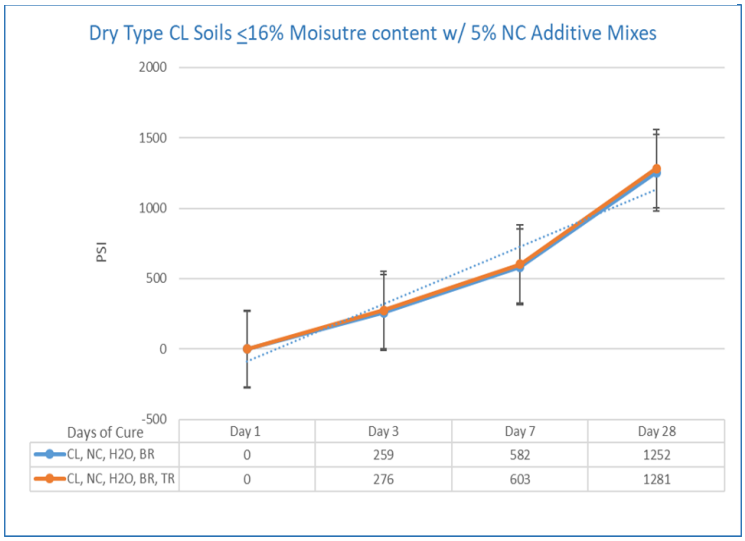
Table (below) displays the results of Atterberg Limit and Plasticity testing for dry natural tailings soils mixed with the Pro-Seal*ECCO*® Stabilization System® for mining soils containing ≤ 16% Moisture Content (MC).

Atterberg Limits		
Soil Clasification	**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 Clasification	**Soil Description**	**Natural Plasticity**
CL	**Silty Sandy Clay**	Medium Platicity
CH Pro-Seal® Stabilized		
Liquid Limit		No Flow
Plastic Limit		Not Plastic
Plastic Index		NP
Allowable Blows		35
Blows		> 100
% Exceeded Blows		> 65%



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



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Caution: Use only with Pro-SealECCO® System materials Pro-Seal*ECCO*®; NanoCrete® (all forms), XXXWCRETE® (all forms), BedR.O.C.® (all forms) and TopR.O.C.®. Wear a dust mask, see SDS, as Pro-Seal*ECCO*® 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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