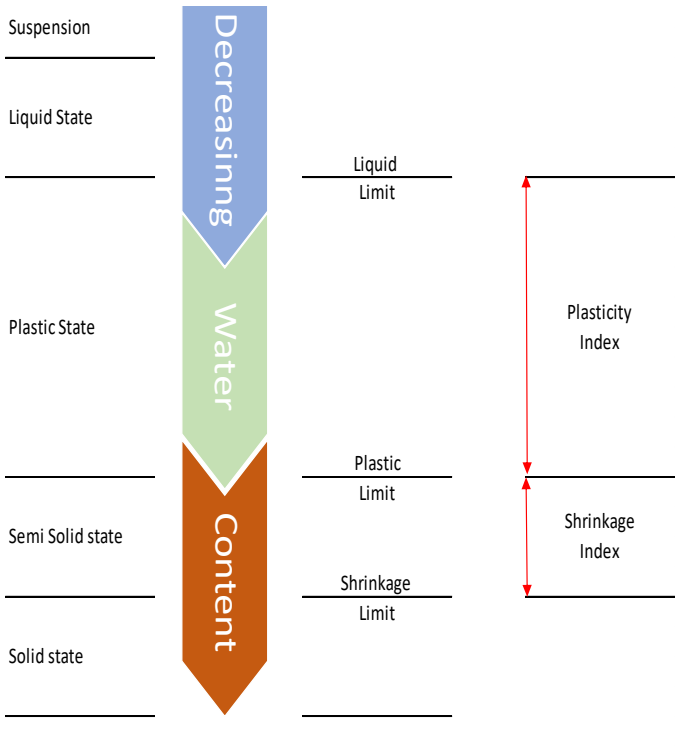
Pro-Seal XXXWCrete® Landfill (wet soils G)

An component of the Pro-Seal *ECCO*® wet fly ash and fly ash soil stabilization and toxic mineral binding systems

CBR: .1 penetration, up to 1,925 psi, it is hydrophobic, anionic, Rapid set time, in situ mix or pump, full traffic 8 to 12 hrs. Strengths of greater than 7,800 psi may be designed into the system. The system controls leachate of RCRA 8 metals and PFOS/PFS migration and is part of a methane barrier system.

Atterberg Limit Indices



Results Atterberg limits table (right)

Wet soils >16% moisture content (MC) minimum+4%

Description:

Pro-Seal XXXWCrete® G is a Miso inorganic, Nano Novel Matrix Material. Pro-Seal*ECCO* XXXWCrete® G material is to be used only used only with Pro-SealECCO NanoCrete® G, Pro-Seal BedR.O.C.® G and Pro-Seal TopR.O.C.® G in **wet Classified soils conditions** as a component of the patent pending Pro-Seal*ECCO* System® to structurally stabilize landfill, landfill road, slopes pits, and mound soils. Pro-Seal*ECCO* G stabil-ization system is designed to repel water to avoid water saturation, stop leaching, washouts, potholing, and rutting, slump, or liqui-faxing of treated soils. It is mixed in situ with the target soils. This pro-cess is highly cost effective when it is properly integrated as a system with target soils.

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

• Pro-SealCorp •11410• NE 124th St • Ste 584 • Kirkland • WA • 98034 •
• Telephone: Order Desk or Technical • 800-349-7325 • Web: prosealcorp.com • Email: Information@prosealecco.com•

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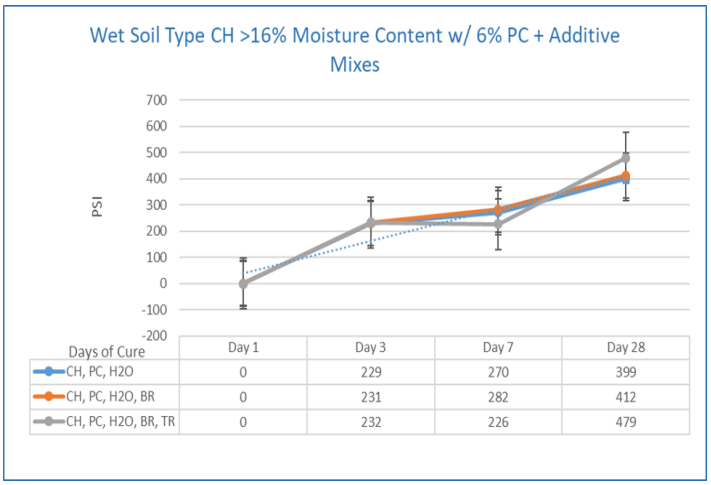
Specifications:

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

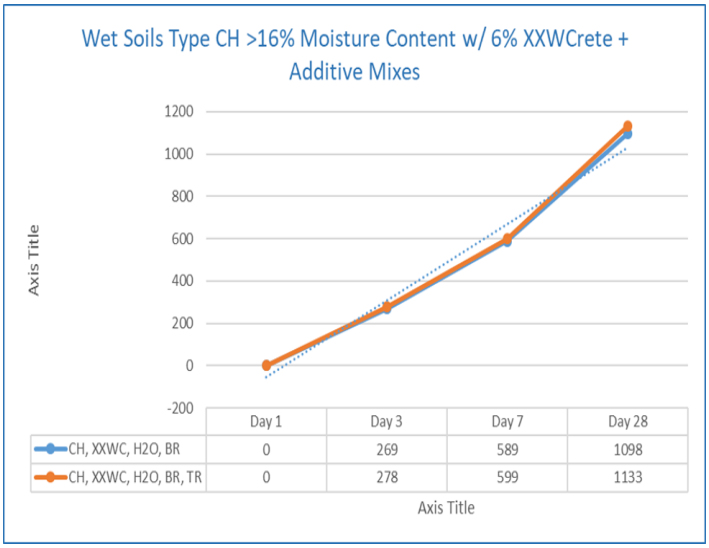
Technical:

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	

(Below) Comparative Strength Tables, Wet Soils Stabilization Portland cement versus Pro-Seal*ECCO* XXXWCrete®



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



Caution:

Use only with Pro-Seal ECCO System® materials Pro-Seal*ECCO*; NanoCrete (all forms), NanoCrete® (all forms), BedROC® (all forms) and TopROC®. 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.

(Above) this methane production pad facilitates from a waste pile properly stabilized and contained .

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