

# Pro-Seal XXXWCrete® Fly Ash (wet soils E)



A component of the Pro-Seal ECCO® wet Fly Ash and Fly ash soil stabilization and toxic mineral binding systems

## Specifications:

ASTM (modified)	Test	Data Typical
CBR Test 50 Lab Test AASHTO T-193  Additive Ranges: 5% lower Up to 12 % higher	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



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. material may be designed to gain > 7,800 psi. Contact technical.

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

## Technical:

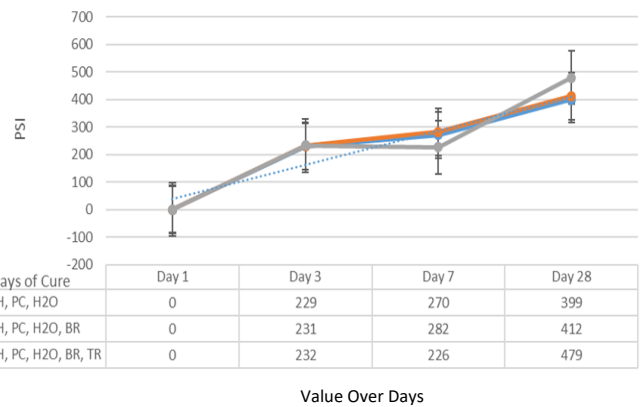
Information	Value
Material	1 part of a System
Mix Time	Till infused
Appearance	Dry, dirty gray, extremely fine talc powder
Initial Work Time	± 35 minutes
Initial Cure to Time Traffic	±08 Hours
Final Cure Time to Heavies Traffic	±24 Hours
V.O.C.	Zero
Enviro Hazard	None Known
Packaging	Bulk as Required

**Always contact pro-SealCorp technical for guide specification services before using - 800 349 7325**

## Product Description:

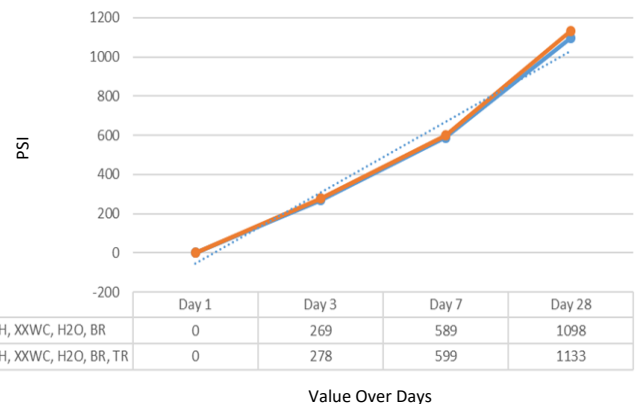
Pro-Seal XXXWCrete® E is a Miso inorganic, Nano Novel Matrix material. Pro-SealECCO XXXWCrete® E material is to be used only used only with Pro-SealECCO NanoCrete® E, Pro-Seal BedR.O.C.® E and Pro-Seal TopR.O.C.® E in **wet classified fly ash or fly ash soils conditions** as a component of the patent pending Pro-Seal-ECCO System®. It structurally stabilizes pond and slope soils. Pro-SealECCO E stabilization system is designed to repel water avoiding water saturation, control and contain leaching PFOS/PFAS, RCRA 8 metals, washouts, potholing, and rutting, slump or liquifaxing of treated fly ash or fly ash soils. It is mixed in situ with the target medium. This process is highly cost effective when it is properly integrated as a system with target fly ash and soils.

Wet Soil Type CH >16% Moisture Content w/ 6% PC + Additive Mixes



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

Wet Soils Type CH >16% Moisture Content w/ 6% XXWCrete + Additive Mixes

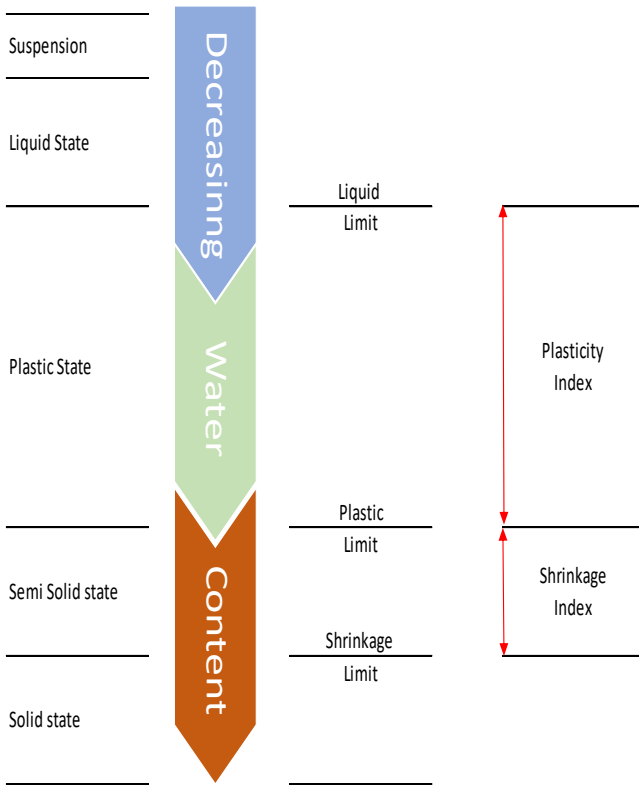


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## Atterberg Limit Indices



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

Wet soils results in tables, above, by soil types. All soils have formulations to achieve near results.

Note: wet soil is defined as >16% moisture content (MC) minimum+ 4%

### 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.



(Above) this fly ash pond berm should be stabilized and lined. The fly ash treated with Pro-SealECCO will not dust. Table (below) displays the results of Atterberg Limit and Plasticity testing for natural wet soils mixed with the Pro-Seal ECCO® Stabilization System containing >16% minimum +4% Moisture Content (MC).