



# NOVOC<sup>®</sup> 500 A

## Soil Stabilization Urethane

### DESCRIPTION

**NOVOC-500 A** is a low viscosity single component polyurethane designed to bind and stabilize loose soils. When NOVOC-500 A is pumped into soil it reacts with moisture and expands to fill voids and form a solid watertight barrier. This soil binder can be used to stabilize peat, sand, and other loose soils. NOVOC 500-A cures into a rigid inert and solid material.

### PRIMARY APPLICATIONS

Stabilizing Sea Walls and Earthen Dams  
Setting Power Poles and Helical Anchors  
Supporting Concrete Floors, excavation sites and Foundations

### FEATURES/BENEFITS

- 100% solids contains / no VOCs hence no emissions
- Non-Flammable DOT non-hazardous material /No special labelling or packaging for shipment
- Single component system/ Easy to use
- Excellent adhesion, durability and strengths/ Permanent solution
- Quickly cures into inert, nontoxic solid material/ No extraction or leaching into the environment

### TECHNICAL INFORMATION

#### Liquid Properties

Viscosity (LV#3@60 RPM).....	250
Flash Point .....	395F
Specific Gravity .....	1.23
Auto Ignition Temp.....	>600F
Color .....	Amber
Odor.....	Slightly Musky

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**Mechanical Properties (ASTM 39 Compressive Strength)**

NOVOC 500 A in Stone .....500psi  
NOVOC 500 A in Sands.....800-2800psi

**Cure Time (typical, your results may vary)**

Cure time is influenced by the presence or absence of moisture (some moisture is required in order to achieve cure) and ambient temperature. Cure can be accelerated by the addition of catalyst which are available from Andara.

Lab cure times in moist sand (your results may vary)

<u>Catalyst Percentage</u>	<u>Cure Time</u>
None	5 hours
0.5%	24 minutes
1%	23 minutes
2%	19 minutes
3%	16 minutes
4%	8 minutes

Andara, LLC asks that each user evaluate the performance of the NOVOC-500A under conditions that simulate production procedures as nearly as possible to determine suitability for each application. For additional technical information or questions, contact your sales representative.