

# ACRYLINJECT® AC SOIL

## GEOTECHNICAL INJECTION RESIN

Two-component, geotechnical acrylate injection resin with an extremely low viscosity. Great for de-watering and grout plugs. Use with ACRYLINJECT® GEOTECHNICAL HARDENER & ACRYLINJECT® GEOTECHNICAL INITIATOR.



### USES

ADCOS® ACRYLINJECT® AC SOIL is a geotechnical acrylate gel designed for a wide range of injection applications including, but not limited to:

- Pre-excavation
- Soil stabilization
- De-watering
- Soil solidification
- Ground water improvement
- Grout plugs

Its variable reaction time ensures penetrations in a variable application field such as wastewater, DOT and highway applications, general construction and open pit construction. Please contact your local ADCOS representative for any applications not mentioned above.

### ADVANTAGES

- Multi-component acrylate gel specifically formulated for subterranean work
- Very low permeation
- Non-shrinking properties after curing
- Non-toxic: does not contain acrylamide, methacrylamide, formaldehyde or solvents
- Non-Flammable
- Will not disperse in water
- Controlled Reaction Time

### TECHNICAL DATA

#### ACRYLINJECT® AC SOIL RESIN

Physical Property	Method	Result
Color	N/A	Blue
% Solids	ASTM D 2369	40%
Viscosity	ASTM D 1638	5-10 cP
Density	ASTM D 1638	1.2 g/cm <sup>3</sup>
Corrosiveness	N/A	Non-Corrosive
pH	N/A	6.5-7

#### ACRYLINJECT® GEOTECHNICAL HARDENER

Physical Property	Method	Result
Color	N/A	Clear
Viscosity	ASTM D 1638	<100 cP
Density	ASTM D 1638	1.11 g/cm <sup>3</sup>

#### ACRYLINJECT® GEOTECHNICAL INITIATOR

Physical Property	Method	Result
Color	N/A	White Powder
Density	ASTM D 1638	2.4 g/cm <sup>3</sup>

#### ACRYLINJECT® AC SOIL MIXTURE

Physical Property	Method	Result
Color	N/A	Blue (Amber when reacted)
Viscosity	ASTM D 1638	5-8 cP
Density	ASTM D 1638	1.15 g/cm <sup>3</sup>

### INSTRUCTIONS

Shake each component separately. Determine your desired reaction time (gel time) and refer to the table in the QR code on page 2 for mix ratios. Then prepare the following:

**Mixture 1:** In a clean bucket, pour desired amount of ACRYLINJECT® AC SOIL RESIN. Add 15% ACRYLINJECT® GEOTECHNICAL HARDENER. Mix well.

**Mixture 2:** In a separate clean bucket, add potable water of equal quantity to the ACRYLINJECT® AC SOIL RESIN previously poured. Add ACRYLINJECT® GEOTECHNICAL INITIATOR (powder) per the table in the QR code below. Mix well.

Perform a reaction test to ensure proper reaction time. With suitable reaction test, inject material per manufacturer's instructions. Once complete, clean equipment and flush lines with potable water mixed with a mild detergent.

For more comprehensive installation instructions, please request ADCOS APPLICATION PROCEDURE FOR ACRYLATE INJECTION RESINS.

### REACTION TIMES & MIX RATIOS

For best reaction times and mix ratios, scan the QR code or visit [www.adcosusa.com/reaction-times-mix-ratios](http://www.adcosusa.com/reaction-times-mix-ratios).



### PACKAGING

**ACRYLINJECT® AC SOIL RESIN**  
5 Gallon Plastic Pail

**ACRYLINJECT® GEOTECHNICAL HARDENER**  
0.79 Gallon Plastic Container

**ACRYLINJECT® GEOTECHNICAL INITIATOR**  
2.2 lb Bag

### STORAGE & SHELF LIFE

Store between 40°F and 90°F. Low temperatures will affect viscosity. If field conditions are below 40°F, electric heating bands or warm water baths can be utilized before installation. (DO NOT get water into any open containers). Do not exceed 90°F when artificially heating.

Shelf life: 24 months after production date in the original, unopened, and undamaged packaging. Shelf life cannot be guaranteed if the above recommendations are not followed.

### SAFETY & HEALTH PRECAUTIONS

Always use protective clothing, gloves and goggles that meet the requirements with OSHA regulations. Avoid eye and skin contact. Do not ingest. Refer to SDS.

### DISCLAIMER

All information is provided in good faith. Please note that the application, use, and processing of these products are beyond our control. Therefore, ADCOS cannot be held responsible for the results obtained or any associated damage. Depending on the evolution of knowledge and techniques, ADCOS reserves the right to change the composition and conditions of use of its products without prior notice. This technical data sheet supersedes all previous versions.