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™ AC SOIL HARDENER & ACRYLINJECT™ AC SOIL INTIATOR.

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	Clear
% Solids	ASTM D 2369	100%
Viscosity	ASTM D 1638	10-20 cP
Density	ASTM D 1638	1.2 g/cm³
Corrosiveness	N/A	Non-Corrosive
pH	N/A	6.5-7

ACRYLINJECT™ AC SOIL HARDENER

Physical Property	Method	Result
Color	N/A	Blue
Viscosity	ASTM D 1638	3 cP
Density	ASTM D 1638	0.97 g/cm³

ACRYLINJECT™ AC SOIL INITIATOR

Physical Property	Method	Result
Color	N/A	White Powder
Density	ASTM D 1638	2.4 g/cm³

INSTRUCTIONS

Shake each component separately. Determine your desired reaction time (gel time) and refer to the table below for mix ratios. Then prepare the following:

Mixture 1: In a clean bucket, pour desired amount of ACRYLINJECT™ AC SOIL RESIN. Add 5% ACRYLINJECT™ AC SOIL 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™ AC SOIL INITIATOR (powder) per the table 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.

Reaction Time & Mix Ratio Table					
5% ACRYLINJECT™ Hardener					
Temp	0.5% Initiator	1% Initiator	2.5% Initiator	4% Initiator	5% Initiator
40°F	41 min	19 min	8min	6 min	4 min
50°F	25 min	15 min	6 min	4 min	3 min
60°F	11 min	6 min	4 min	3 min	2 min
70°F	10 min	5 min	3 min	2 min	1 min
80°F	6 min	3 min	2 min	1 min	0.5 min

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

PACKAGING

ACRYLINJECT™ AC SOIL RESIN
4.4 Gallon Plastic Pail

ACRYLINJECT™ AC SOIL HARDENER
0.79 Gallon Plastic Container

ACRYLINJECT™ AC SOIL 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.