

PURINJECT™ 1C SOIL

GEOTECHNICAL INJECTION RESIN

Single component, hydrophobic polyurethane closed geotechnical foam ideal for soil stabilization and creating horizontal and vertical waterproof barriers in soils. Use with PURINJECT™ 1C SOIL CATALYST.



USES

ADCOS PURINJECT™ 1C SOIL is an extremely versatile injection system. It is designed for a wide range of injection applications including, but not limited to:

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

Its variable reaction time ensures sealing and penetrations in a variable application field such as wastewater treatment plants, nuclear energy facilities, educational and healthcare facilities, commercial spaces, and more. Please contact your local ADCOS representative for any applications not mentioned above.

ADVANTAGES

- Single Component Polyurethane Flexible Closed Cell Structure
- Free Expansion less than 2x
- Non-shrinking properties after curing
- Chemically resistant to acids, bases, solvents and fuels. Reference chemical resistance list.
- Solvent-Free
- Non-Flammable
- Excellent adhesion to masonry building materials
- Will not disperse in water
- Controlled Reaction Time

TECHNICAL DATA

PURINJECT™ 1C SOIL RESIN

Physical Property	Method	Result
Color	N/A	Brown
% Solids	ASTM D 2369	100%
Viscosity	ASTM D 1638	25 cP
Density	ASTM D 1638	1.10 g/cm ³
Flash Point	ASTM D 93	442.4°F
Corrosiveness	N/A	Non-Corrosive

PURINJECT™ 1C SOIL CATALYST

Physical Property	Method	Result
Color	N/A	Yellow
Viscosity	ASTM D 1638	10 cP
Flash Point	ASTM D 93	435.2°F
Density	ASTM D 1638	0.97 g/cm ³

INSTRUCTIONS

Shake each component separately. Mix the PURINJECT™ 1C SOIL with 1-3% PURINJECT™ 1C SOIL CATALYST for 2-3 minutes. Perform reaction test to ensure proper expansion and reaction time. With suitable reaction test, inject catalyzed material per manufacturer's instructions. Once complete, clean equipment and flush lines with PURINJECT™ RINSE.

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

PACKAGING**PURINJECT™ 1C SOIL RESIN**

5 Gallon Plastic Pail
50 Gallon Steel Drum
250 Gallon IBC

PURINJECT™ 1C SOIL CATALYST

0.5 Gallon Plastic Container
5 Gallon Plastic Pail

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.