

PURINJECT™ HYDROFOAM

HYDROPHILIC INJECTION RESIN

Single component, hydrophilic polyurethane closed cell flexible foam ideally suitable medium for constantly damp conditions in concrete and masonry structures and curtain grouting.



USES

ADCOS PURINJECT™ HYDROFOAM is an easy-to-use, catalyst-free injection system. It is designed for a wide range of injection applications including, but not limited to:

- dynamic joints
- cold and constructions joints
- wide range of cracks
- constant damp conditions
- weeping conditions
- curtain wall grouting conditions

Its consistent 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 (depending on amount of water used):
 - 1 volume of resin – ½ volume of water: up to 8X
 - 1 volume of resin – 1 volume of water: up to 4X
 - 1 volume of resin – 2 volumes of water: up to 2X
 - 1 volume of resin – 4 volumes of water: no expansion
- When less water is used, the material's expansion volume increases.

- Conversely, using more water results in a denser compound. (We recommend a maximum of 4 times the amount of resin.)
- The material can be injected directly in the structure using 1 component pump, as long as there is sufficient water present in the structure.
- Non-shrinking properties after curing
- Can be injected using a 2-component pump whereby the second component is water
- 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™ HYDROFOAM

Physical Property	Method	Result
Color	N/A	Brown
% Solids	ASTM D 2369	100%
Viscosity	ASTM D 1638	425 cP
Density	ASTM D 1638	1.10 g/cm ³
Flash Point	ASTM D 93	392.0°F
Corrosiveness	N/A	Non-Corrosive

INSTRUCTIONS

Shake the unit. Perform a reaction test to ensure proper expansion and reaction time. With suitable reaction test, inject 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 HYDROPHILIC INJECTION RESINS.

PACKAGING**PURINJECT™ HYDROFOAM RESIN**

5 Gallon Plastic Pail
50 Gallon Steel Drum
250 Gallon IBC

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.