

PURINJECT™ 1C FLEX 55

HYDROPHOBIC INJECTION RESIN

Single component, hydrophobic polyurethane closed cell highly flexible foam ideally suitable for fine crack injection and highly dynamic weeping cracks in concrete and masonry structures. Use with PURINJECT™ 1C CATALYST.



USES

ADCOS PURINJECT™ 1C FLEX 55 is an extremely versatile injection system. It is designed for a wide range of injection applications including, but not limited to:

- Tight cracks
- Highly dynamic joints
- Construction joints
- Injection tubes
- Map cracking
- Shotcrete and gunite conditions

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
- Extremely low cP
- Free Expansion up to 20x
- 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 FLEX 55 RESIN

Physical Property	Method	Result
Color	N/A	Brown
% Solids	ASTM D 2369	100%
Viscosity	ASTM D 1638	55 cP
Density	ASTM D 1638	1.18 g/cm ³
Flash Point	ASTM D 93	432.0°F
Corrosiveness	N/A	Non-Corrosive

PURINJECT™ 1C CATALYST

Physical Property	Method	Result
Color	N/A	Clear
Viscosity	ASTM D 1638	35 cP
Flash Point	ASTM D 93	>212°F
Density	ASTM D 1638	0.97 g/cm ³

INSTRUCTIONS

Shake each component separately. Mix the PURINJECT™ 1C FLEX 55 with 10% PURINJECT™ 1C 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 FLEX 55 RESIN**

5 Gallon Plastic Pail
50 Gallon Steel Drum
250 Gallon IBC

PURINJECT™ 1C 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.