

ACRYLINJECT® AC FLEX

ACRYLATE INJECTION RESIN

Two component, highly flexible acrylate injection resin. With viscosity near water, it is ideal for long distance and fine crack injection. Use with ACRYLINJECT® AC FLEX HARDENER & ACRYLINJECT® AC FLEX INITIATOR.



USES

ADCOS® ACRYLINJECT® AC FLEX is a flexible acrylate gel. It is designed for a wide range of injection applications including, but not limited to:

- Curtain grouting
- Map cracking
- Dynamic joints
- Long distance permeation
- Honeycombed annular concrete
- Water displacement

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

- Multi-component acrylate flexible gel
- Elongation of 300%
- Water absorption 33%
- Non-shrinking properties after curing
- Non-toxic: does not contain acrylamide, methacrylamide, formaldehyde or solvents
- Non-Flammable
- Excellent adhesion to masonry building materials
- Will not disperse in water
- Controlled Reaction Time
- The cured gel has excellent durability in wet-dry cycles

TECHNICAL DATA

ACRYLINJECT® AC FLEX RESIN

| Physical Property | Method | Result |
|-------------------|-------------|-----------------------|
| Color | N/A | Blue |
| % Solids | ASTM D 2369 | 100% |
| Viscosity | ASTM D 1638 | 5-10 cP |
| Density | ASTM D 1638 | 1.2 g/cm ³ |
| Corrosiveness | N/A | Non-Corrosive |
| pH | N/A | 6.0-7.5 |

ACRYLINJECT® AC FLEX HARDENER

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

ACRYLINJECT® AC FLEX INITIATOR

| Physical Property | Method | Result |
|-------------------|-------------|-----------------------|
| Color | N/A | White Powder |
| Density | ASTM D 1638 | 2.4 g/cm ³ |

ACRYLINJECT® AC FLEX 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 ³ |
| Elongation | ASTM D 3574 | 300% |
| Water Absorption | N/A | 33% |

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 FLEX RESIN. Add 18% ACRYLINJECT® AC FLEX HARDENER. Mix well. **Mixture 2:** In a separate clean bucket, add potable water of equal quantity to the ACRYLINJECT® AC FLEX RESIN previously poured. Add ACRYLINJECT® AC FLEX 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.



PACKAGING

ACRYLINJECT® AC FLEX RESIN
4.4 Gallon Plastic Pail

ACRYLINJECT® AC FLEX HARDENER
0.79 Gallon Plastic Container

ACRYLINJECT® AC FLEX INITIATOR
2.2 lb Plastic Container

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.