

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 and 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	Clear
% Solids	ASTM D 2369	100%
Viscosity	ASTM D 1638	5 cP
Density	ASTM D 1638	1.15 g/cm ³
Corrosiveness	N/A	Non-Corrosive
pH	N/A	6.5-7

ACRYLINJECT™ AC FLEX HARDENER

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

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 FLEX RESIN. Add 5% 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 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% Hardener					
Temp	0.5% Initiator	1% Initiator	2.5% Initiator	4% Initiator	5% Initiator
40°F	47 min	24 min	13 min	8 min	7 min
50°F	35 min	19 min	12 min	6 min	4 min
60°F	25 min	13 min	10 min	4 min	3 min
70°F	16 min	10 min	7 min	3 min	2 min
80°F	13 min	7 min	3 min	2 min	1.5 min

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

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 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.