

ACRYLINJECT® MC FLEX

ACRYLATE INJECTION RESIN

Two component, semi-rigid acrylate injection resin. With viscosity near water, it is ideal for long distance and fine crack injection. Use with ACRYLINJECT® HARDENER and ACRYLINJECT® INITIATOR.



USES

ADCOS® ACRYLINJECT® MC FLEX is a semi-rigid acrylate gel for use in but not limited to:

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

Variable reaction time ensures sealing and penetrations in a variable application field such as wastewater treatment plants, nuclear energy facilities, educational and health 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 275%
- 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® MC FLEX RESIN

Physical Property	Method	Result
Color	N/A	Light Blue
% Solids	ASTM D 2369	100%
Viscosity	ASTM D 1638	3-7 cP
Density	ASTM D 1638	1.2 g/cm ³
Corrosiveness	N/A	Non-Corrosive
pH	N/A	6.0-7.5

ACRYLINJECT® 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® INITIATOR

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

ACRYLINJECT® MC FLEX MIXTURE

Physical Property	Method	Result
Color	N/A	Blue (Amber when reacted)
Viscosity	ASTM D 1638	2-3 cP
Density	ASTM D 1638	1.15 g/cm ³
Elongation	ASTM D 3574	275%

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® MC FLEX RESIN. Add 10% ACRYLINJECT® HARDENER. Mix well.

Mixture 2: In a separate clean bucket, add potable water of equal quantity to the ACRYLINJECT® MC FLEX RESIN previously poured. Add ACRYLINJECT® INITIATOR (powder) per the table through the QR code. 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® MC FLEX RESIN
5 Gallon Plastic Pail

ACRYLINJECT® HARDENER
0.5 Gallon Plastic Container

ACRYLINJECT® INITIATOR
2.2 lbs 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.