



CHEM-INJECT R®

MANUFACTURER

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PRODUCT DESCRIPTION

Chem-Inject R® is a two-component, 100% solids, high modulus, medium viscosity, moisture insensitive epoxy system. This product meets ASTM C-881, Type II, Grade 3, Class B&C.

FEATURES

- Moisture insensitive
- 100% solids
- Easy application
- High strength
- No shrinkage
- Fast Curing

SURFACE PREPARATION

Crack should be free of dust residue. If the material is to be injected, install injection ports at appropriate intervals along the crack to allow for full depth penetration. Use Chem-Anchor or Chem-Gel R to install entry ports and to seal the surface of the cracked concrete. Injection can start once chem-anchor or Chem-Gel R is sufficiently cured.

MIXING PROCEDURE

Chem-Inject R can be injected into cracked concrete using a two-component positive displacement injection machine or two component cartridge. Chem-inject R

TECHNICAL DATA

	<u>Part A</u>	<u>Part B</u>
Solids	100%	100%
Color	Clear, Clear	Clear, Clear
Wt./Gal.	9.7 lb.	8.5 lb.
Shelf Life	1 Year	1 Year
	<u>Properties</u>	<u>ASTM Method</u>
Mix Ratio	2:1 by volume (A:B)	N/A
Viscosity	125 cps	N/A
Pot Life (3 oz.) @77°F.	20 - 22 minutes	N/A
Hardness (Shore) @77°F.	84-D	D-2240
Gel Time (5 mil) @77°F.	45 min.	N/A
Tensile Strength	9,500 psi	D-638
Flexural Strength	10,000 psi	D-790
Compressive Strength	10,000 psi	D-695
Bond Strength	600 psi (24 hrs.)	C-881
Heat Deflection Temp.	130°F.	D-648
Elongation	2%	D-638
Water Absorption	13% (24 hours)	N/A

may also be hand-mixed and poured into horizontal cracks.

APPLICATION

As an adhesive: Chem-Inject R may be applied by spray, short-nap roller or brush. Fresh concrete should be placed within one hour after coating. As a grout: fill the cavity with mortar, tamp and strike off level with the surrounding surface. For bolt grouting, contact International Chem-Crete Corporation or your local Chem-Crete Representative for specific recommendations. As a mortar: place on the prepared surface, spread and rough level to

the desired thickness. Next, trowel in one direction to a uniform surface and appearance. DO NOT overwork material. Keep the trowel well-lubricated with mineral spirits.

LIMITATIONS

Application at ambient temperature below 40°F. is not recommended. Exposure to temperatures exceeding 150°F. for prolonged periods is not recommended.

CLEAN-UP

Remove uncured Chem-Inject R

from tools and equipment with a suitable solvent such as xylene or toluene immediately after use. Cured material may only be removed mechanically.

SHELF LIFE

1 year in original, unopened container.

STORAGE

Store in a dry area, between 40°F and 95°F. Protect from direct sunlight.

HEALTH PRECAUTIONS

Component A - IRRITANT -

Prolonged skin or eye contact may cause sensitization and irritation.

Component B - IRRITANT

Contact with skin or eyes may cause severe burns.

FIRST AID

Skin Contact: wash thoroughly with soap and water.

Eye Contact: flush immediately with clean water and contact a physician immediately.

Respiratory Problems: remove affected person to fresh air immediately and contact a physician.

Hygiene: wash hands immediately after use. Wash clothing before reuse.

SPILLS

Collect with absorbent material. Material may be removed with a suitable solvent.

PACKAGING

Chem-Inject R is available in 3 and 15 gallon units in metal containers. Also in 16.5 oz. dual cartridges.

DISPOSAL

Dispose of in accordance with local, state and federal regulations.

WARNING

KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP OUT OF REACH OF CHILDREN. NOT FOR INTERNAL CONSUMPTION. FOR PROFESSIONAL USE ONLY BY A QUALIFIED TECHNICIAN. Consult the Material Safety Data Sheet for further health and safety information.

WARRANTY

LIMITED WARRANTY: "International Chem-Crete Corporation warrants that, at the time and place we make shipment, our material will be of good quality and will conform with our published specifications in force on the date of the acceptance of the order." Read complete Warranty, copy furnished upon request.

DISCLAIMER: The information contained herein is included for illustrative purposes only and, to the best of our knowledge, is accurate and reliable. International Chem-Crete Corporation cannot, however, under any circumstances make any obligation or liability in connection with the use of this information. As International Chem-Crete Corporation has no control over the use to which others may put its products, it is recommended that the products be tested to determine if suitable for a specific application and/or our information is valid in a particular circumstance. Responsibility remains with the architect or engineer, contractor and owner for the design, application and proper installation of each product. Specifier and user shall determine

suitability of products for specific application and assume all responsibilities in connection therewith.

TECHNICAL SERVICES

International Chem-Crete Technical Sales Personnel throughout the country are available as required. International Chem-Crete distributors have local salesmen trained by International Chem-Crete.

Chme-Inject R is manufactured by:

INTERNATIONAL CHEM-CRETE CORPORATION

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