



# CHEM-INJECT XLV 35<sup>®</sup>

## MANUFACTURER

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## PRODUCT DESCRIPTION

Chem-Inject XLV 35<sup>®</sup> is a low viscosity, two component, 100% solids, low modulus, moisture insensitive structural adhesive. It is ideal for the sealing of all concrete surfaces that are exposed to the stresses of impact or changing temperatures. This product meets ASTM C-881.

## FEATURES

- Flexibility and elongation
- Easy to mix
- Moisture insensitive
- Tenacious adhesion
- No shrinkage
- High strength
- Low viscosity
- 100% solids
- Easy application

## SURFACE PREPARATION

Surface of application should be clean and sound. The surface must be free of any dust, oil, grease, laitance, curing compounds, or any other contaminants. It may be dry, damp or wet, but must be free of standing water. The very best results are obtained on dry concrete. When bonding new concrete to old concrete, the new concrete to be bonded should be a relatively dry mix, having a maximum slump

## TECHNICAL DATA

	<u>Part A</u>	<u>Part B</u>
Solids	100%	100%
Color	Clear	Clear
Wt./Gal.	9.1 lb.	8.1 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	80 cps	Brookfield
Pot Life (3 oz.) @ 77°F.	25 minutes	N/A
Hardness (Shore) @ 77°F.	70-D	D-2240
Gel Time (5 mil) @ 77°F.	10-12 hours	N/A
Tensile Strength	4,500 psi	D-638
Flexural Strength	3,000 psi	D-790
Compressive Strength	5,000 psi	D-695
Bond Strength	500 psi (24 hrs.)	C-321
Bond Strength	5,125 psi	C-882
Elongation	35%	D-638
Water Absorption	0.3% (24 hours)	N/A

of 5 inches.

On new concrete surfaces, remove laitance and unbonded cement particles by acid etching. Dampen the surface with tap water. Dilute muriatic acid to a 10% solution. ALWAYS add the acid to the water. Scrub the acid/water solution onto the surface at the rate of 50 square feet per gallon. Allow the solution to sit for 20 minutes or when the acid bubbling stops. Scrub and flush thoroughly with clean water. Remove water by squeegee, vacuum or broom. Allow the surface to air dry. Please note: If the use of muriatic acid is prohibited, check with International Chem-Crete for substitute etching solution.

## MIXING PROCEDURE

Stir each component separately. Mix 2 parts A with 1 part B by volume into a clean mixing container. Mix the epoxy with a slow speed drill with a mixing paddle attachment. Carefully scrape the sides and bottom of the pail during mixing. Blend for 3 minutes. When preparing grout, mix in three parts of aggregate by volume. For flowable or self-leveling grout, mix in two parts of aggregate by volume. Mix only the amount of material that can be used within the pot life. **Please note:**

*Large batches of epoxy will cure much faster than small batches. Mixed epoxy will cure much faster in hot weather than in cold weather.*

## APPLICATION

As an adhesive: mixed material may be applied by brush, roller or spray. 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. As an injection epoxy: mix and metering equipment is recommended. Please contact International Chem-Crete or your local representative for detailed instructions.

## 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 XLV 35 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.

**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 XLV 35 is available in 3 gallon units and 15 gallon units in metal containers.

## 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 informa-

tion.

## 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.

*Chem-Inject XLV 35* is manufactured by:

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