

# SPECPOXY C.J.

100% solids, semi-rigid epoxy control joint filler



## DESCRIPTION

SPECPOXY C.J. is two-component, semi-rigid epoxy for filling control and construction joints in industrial concrete floors. This product supports the joint edges and reduces spalling of the edges caused by wheel traffic. SPECPOXY C.J. has been designed for use in compliance with ACI 302, for epoxy joint fillers used in sawcut/control joints.

SPECPOXY C.J. is useful for contraction/construction joints that are cut or formed. SPECPOXY C.J. may be used for the repair of damaged or spalled joint nosing, cracks, and as a pick-proof sealant in security facilities.

## FEATURES/BENEFITS

- Easy 1 to 1 mix ratio/Pourable gray consistency
- High elongation to resist tearing due to excessive movement
- Moisture insensitive to cure in damp environments
- Semi-rigid flexibility that does not weld slabs together or become brittle with age
- Optimum hardness to transfer wheel loads while allowing moderate movement

## SPECIFICATIONS/COMPLIANCES

- USDA accepted - Authorized for use in federally inspected meat & poultry plants.
- Complies with ACI 302 guidelines Section 4.10 for "Epoxy Joint Filler"
- Complies with all VOC regulations

## APPLICATION

**Surface preparation** Joints must be clean, dry and free of curing compound, densifiers, sealers and any other foreign substances. To remove the above, use a vacuum equipped, dry cut abrasive blade and oil-free compressed air to remove any water or dust prior to applying SpecPoxycj.

Per ACI and PCA guidelines, SpecPoxycj should be installed full depth in sawcut control joints and a minimum of 2" in joints greater than 2" deep. Do not use compressible backer rod to reduce volume. Use fine sand to plug shrinkage cracks in the bottom of the joint, allowing at least a 1" full depth pour.

### Mixing instructions

Temperature of SPECPOXY C.J. must be 50°F or above at the time of mixing. Mix each component separately then thoroughly mix Part A with Part B for a minimum of three minutes with a low speed electric drill motor equipped with a jiffy mixer or paint paddle.

### Application

SPECPOXY C.J. can be poured from a container, applied with a bulk caulking gun, or pumped from a dual component pump. Two passes may be required, as pourable materials have a tendency to dish out or settle.

## APPLICATION (con't)

Overfill the joint, and once the SPECPOXY C.J. is tack-free, grind or cut flush to surface of concrete with a razor knife. A heat flame may facilitate cutting if the SPECPOXY C.J. has completely hardened. The cut joint must be flush with the floor to effectively transfer wheel loads.

If SPECPOXY C.J. is installed in a floor before maximum shrinkage has occurred, a crack may appear either adhesively or cohesively. This should not be considered a failure of the SPECPOXY C.J., which will continue to support the joint edge and transfer wheel loads. To remedy the situation, clean out the crack, wipe clean with SpecChem Solvent 100 and refill with SPECPOXY C.J.

**Coverage:** The following table gives guidelines on theoretical material estimates in linear feet per gallon.

JOINT SIZE	1 ½" Deep	2" Deep	2 ½" Deep
<sup>3</sup> / <sub>16</sub> " wide	68' per gal	51' per gal	41' per gal
<sup>1</sup> / <sub>4</sub> " wide	51' per gal	38' per gal	30' per gal
<sup>3</sup> / <sub>8</sub> " wide	34' per gal	25' per gal	20' per gal

## CLEANING

Tools and Equipment: Uncured material can be removed with SpecChem Solvent 100 or other approved solvent. Dispose of in accordance with local, state, and federal disposal regulations. Mechanical removal is necessary for cured material.

## PACKAGING

2 gallon units • 10 gallon units

## TYPICAL TEST DATA

Color (mixed)	Concrete Gray
Mix Ratio	1 to 1 by volume
Pot Life at 75°F	20 minutes
Tack-free at 75°F	6-8 hours
Shore A Hardness	90±5 (ASTM D2240)
Tensile Strength	910 psi (ASTM D638)
Tensile Elongation	60-70% (ASTM D638)
Adhesion to Concrete	Adhesion failure to concrete

**SPEC**CHEM   
Solution to Service

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## SHELF LIFE

Store SpecPoxycj in its original containers and keep tightly closed. Do not allow the accumulation of water, dirt or other contaminants. The shelf life of properly stored SpecPoxycj is two years from date of manufacture.

## LIMITATIONS/PRECAUTIONS

Always test a small amount of SPECPOXY C.J. to verify that the product has been thoroughly mixed and will harden properly before proceeding. Do not thin with any solvent. Surface and air temperatures must be a minimum of 50°F for application.

SPECPOXY C.J. should not be installed on new concrete floors until maximum shrinkage has occurred. ACI.302 recommends a minimum of 3 months for all semi-rigid epoxies. The longer the time period allowed for curing the concrete prior to installation of SPECPOXY C.J., the better the performance.

SPECPOXY C.J. should not be installed until the building is under permanent temperature control. SPECPOXY C.J. is designed to be a full depth joint filler. Minimum application temperature is 50°F.

Do not thin SPECPOXY C.J. with solvents. Do not apply over standing water. Do not use as an expansion joint sealant.

Epoxies may yellow, discolor or chalk upon exposure to strong sources of ultra-violet radiation such as from sunlight and some types of industrial artificial lighting. Keep away from food and food containers.

## WARRANTY

### NOTICE-READ CAREFULLY CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

### WARRANTY LIMITATION

SpecChem warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

### INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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