



CHEM-JOINT 80[®]

MANUFACTURER

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PRODUCT DESCRIPTION

Chem-Joint 80[®] is a two component, 100% solids, epoxy joint sealant. This product meets ASTM C-881.

FEATURES

80% elongation; allows for some movement.
Will not "weld" pavement together.
Prevents joint sidewall chipping and spalling.
Easy 1:1 mix ratio.
Caulking or self-leveling grades available.
Flow into joints as small as 1/16 inch wide.
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.

MIXING PROCEDURE

Stir each component separately. Mix 1 part A with 1 part B by

TECHNICAL DATA

PROPERTIES at 77°F.

	<u>Part A</u>	<u>Part B</u>
Solids	100%	100%
Color	Clear	Gray
Wt./Gal.	9.34 lbs.	8.16 lbs.
Shelf Life	1 Year	1 Year
	<u>Properties</u>	<u>ASTM Method</u>
Mix Ratio	1:1 by volume (A:B)	N/A
Viscosity	700 cps	Brookfield
Pot Life (3 oz.)	20 minutes	N/A
Hardness (shore)	80-A	D-2240
Gel Time (5 mil.)	5-7 Hours	N/A
Tensile Strength	500 ± 200 psi	D-638
Compressive Strength	1,530 psi	D-695
Bond Strength	250 ± 50 psi	C-321
Bond Strength	2,500 psi	C-882
Elongation	70-80%	D-638
Water Absorption	0.40% (24 hours)	N/A

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. 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

Joint sealant - for joints 1/16" to 1/2" wide. The minimum age of the concrete must be 28 days. 60-90 days is preferred. Material should be installed when building is under constant temperature control. A minimum joint depth is 3/4". One

inch is preferred. Material may be poured into the joint out of the mixing container, but the best results are obtained by using bulk load caulking guns. Please contact International Chem-Crete or your local representative for detailed instructions. Fill the joint to full depth. After 25 minutes have elapsed, the filled joints should be inspected for low spots due to seepage. Top off these areas with new Chem-Joint 80. 1/8" to 1/4" of clean, dry, bagged silica sand may be added to the bottom of the joint to prevent the material from running through shrinkage cracks at the bottom of the joint, but the minimum 3/4" of epoxy must be maintained. Chem-Joint 80 is designed to crack or separate from sidewall of joint if excessive movement occurs.

Chem-Joint 80 is designed to relieve stress to the slab in this manner. This prevents concrete fractures while protecting the joint edges. The seal may be repaired by cleaning out any debris, blowing out air, and refilling the void with new Chem-Joint 80.

Repairing random cracks: rout cracks out to a depth of at least 3/4", but one inch is preferred. Blow the dust out of the crack with oil-free compressed air. Follow the instructions above for neat joint sealant.

Epoxy mortar - for use when joints are greater than 1/2". Prime the surface with neat Chem-Joint 80. Add up to three parts of clean, dry, bagged aggregate. Place the mortar into the joint before the primer loses its tack. Compact and finish the mortar with a trowel.

LIMITATIONS

Application at ambient temperature below 50°F is not recommended. Exposure to temperatures exceeding 150°F for prolonged periods is not recommended. Do not use with backer rods. Do not use in expansion joints. **NEVER use solvents to thin this material.**

CLEAN-UP

Remove uncured Chem-Joint 80 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.

Chem-Joint 80 is manufactured by:

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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-Joint 80 is available in 2 gallon units and 10 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 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.