TECHNICAL DATA

RAPID FLEX CJ

Rapid Curing, Semi-rigid PolyUrea control joint filler

GREENCONSCIOUS

DESCRIPTION

RAPID FLEX CJ is a 100% solids, two component, UV resistant, semi-rigid, rapid curing, polyurea for filling control and construction joints in industrial concrete floors. RAPID FLEX CJ allows for joints to be shaved quickly for fast turnaround. RAPID FLEX CJ has been designed for use in compliance with ACI 302, section 4.10 recommendations for joint fillers used in saw cut/control joints with a Shore A Durometer of 85.
RAPID FLEX CJ can also be used for the repair of damaged or spalled joint nosing and cracks.

FEATURES/BENEFITS

- Pourable dark gray consistency
- Easy 1 to 1 mix ratio,
- High elongation (200%) to resist tearing due to excessive movement
- Semi-rigid flexibility that does not weld slabs together or become brittle with age
- Optimum hardness (Shore A = 85) to transfer wheel loads while allowing moderate movement
- Can be applied and cures down to -20° F

SPECIFICATIONS/COMPLIANCES

- USDA accepted - Authorized for use in federally inspected meat & poultry plants.
- Complies with ACI 302 guidelines for "Joint Filler"
- 100% Solids no VOC's

APPLICATION

Surface preparation Joints must be clean, dry and free of curing compound, densifiers, sealers and any other foreign substances. To remove the above, saw cut, sandblast or wire brush. Prior to applying RAPID FLEX CJ, remove any water and dust from all surfaces with an oil free blast.
Rapid Flex CJ is designed for full depth applications. Do not use backer rod to reduce volume. Dry silica sand may be used up to 1/8" to fill the bottom of the joint and prevent 3 sided adhesion. Rapid Flex CJ should be applied to a minimum depth of 1".

Mixing instructions
Temperature of RAPID FLEX CJ must be 50°F or above at the time of mixing. Stir/shake each component before dispensing. Use a 1:1 low pressure duplex/plural component metered pump with a 3/8" x 24" element static mixer.

Application
When using a plural component pump, dispense mixed material into a waste container to assure a uniform color and a consistent 1:1 ratio. Then dispense properly mixed RAPID FLEX CJ into the prepared joint.

Joints should be overfilled and allowed to cure for approximately 1 hour and up to 24 hours before shaving flush with a floor razor scraper. The cut joint must be flush with the floor to effectively transfer wheel loads.

If RAPID FLEX CJ 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 RAPID FLEX CJ, 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 RAPID FLEX CJ.

COVERAGE RATE
Lineal feet per gallon: **Theoretical**

	WIDTH				
DEPTH	inches	¼	½	¾	1
	¾	103	51	34	26
	1	72	38	26	19

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

22 fl oz cartridges and 10 gallon units

TYPICAL TEST DATA

Color (mixed)	Dark Gray
Mix Ratio	1 to 1 by volume
Gel Time at 75°F	30 seconds
Tack-free at 75F	3-4 minutes
Return to Traffic @ 75F	1 hour
Tensile ASTM D412	1225 psi
Shore A Hardness	85±3
Shore D Hardness	30±3

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SHELF LIFE

Store Rapid Flex CJ in its original containers and keep tightly closed between 55-90° F. Do not allow the accumulation of water, dirt or other contaminants. The shelf life of properly stored Rapid Flex CJ is one year from date of manufacture.

LIMITATIONS/PRECAUTIONS

Joint should be clean and dry for optimum adhesion.

Always test a small amount of RAPID FLEX CJ to verify that the product has been thoroughly mixed and will harden properly before proceeding.

RAPID FLEX CJ should not be installed on new concrete floors until maximum shrinkage has occurred. ACI.302 recommends a minimum of 30 days and preferably 90 days for all semi-rigid polyureas and epoxies. The longer the time period allowed for curing the concrete prior to installation of RAPID FLEX CJ, the better the performance.

RAPID FLEX CJ should not be installed until the building is under permanent temperature control.
Do not thin RAPID FLEX CJ with solvents. Do not use exterior or as an expansion joint sealant.

Although UV resistant Rapid Flex CJ may slightly discolor if exposed to strong and constant sources of ultra-Violet radiation.

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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