



# CANSEAL JF JOINT FILLER

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## DESCRIPTION

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CanSeal JF is a 100% solids, two-component, UV resistant, semi-rigid, rapid-curing, polyurea for filling control and construction joints in heavy duty industrial concrete floors. CanSeal JF allows for joints to be shaved quickly for fast turnaround. CanSeal JF 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. CanSeal JF can also be used for the repair of damaged or spalled joint nosing and cracks.

## USES

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- Industrial & Commercial Floors
- Control & Construction Joints
- Crack & Joint repair

## FEATURES & BENEFITS

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- Easy 1 to 1 ratio, pourable/pumpable consistency
- UV Resistant, Colorfast
- 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 -20o F
- Quicker turnaround/less downtime than epoxy joint fillers

## SPECIFICATIONS/COMPLIANCES

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- Accepted for use in USDA, FDA, and CFIA regulated facilities - Authorized for use in federally inspected meat & poultry plants.
- Complies with ACI 302 guidelines and PCA Concrete Floors on Ground for "Floor Joint Filler"
- 100% Solids contains no VOC's, LEED compliant.

## APPLICATION

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Joint 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 CanSeal JF.

Per ACI and PCA guidelines, CanSeal JF 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 in saw cut control joints. CanSeal JF should be applied to a minimum depth of 1".

In construction joints (un-cut full slab depth), dry sand or backer rod can be used to reduce volume provided a minimum 2" depth is maintained.

Mixing instructions Temperature of CanSeal JF 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.

When using a cartridge or 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 CanSeal JF 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.

Since CanSeal JF sets so quickly, the potential for any overfill to stain the sides of the joint is unlikely. In applications where aesthetic and decorative or architectural finishes are critical, we recommended using a stain protectant. If CanSeal JF 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 CanSeal JF, which will continue to support the joint edge and transfer wheel loads. To remedy the situation, clean out the crack, wipe clean and refill with CanSeal JF.



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## TYPICAL TEST DATA

COLOUR	DOVETAIL GRAY
MIX RATIO	1 TO 1 BY VOLUME
GEL TIME AT 75°F	30 SECONDS
TRACK FREE AT 75°F	3-4 MINUTES
SHAVE TIME AT 75°F	20-25 MINUTES
RETURN TO TRAFFIC AT 75°F	1 HOUR
ADHESION TO CONCRETE	275 psi
TENSILE ASTM D	1225 psi
SHORE A HARDNESS	85
SHORE D HARDNESS	30

## CLEANING

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

## SHELF LIFE

Store CanSeal JF 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 CanSeal JF is one year from date of manufacture.

## PACKAGING

- 22 fl oz cartridges

## LIMITATIONS / PRECAUTIONS

Joint should be clean and dry for optimum adhesion.

Cold temperatures will delay set, cure, and shaving time. To facilitate applications in cold temperatures, condition the product to 75°F and if possible warm the area to be repaired to help accelerate set/cure time.

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

CanSeal JF is designed for low adhesive strength to encourage separation when exposed to excessive concrete slab shrinkage.

CanSeal JF 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 CanSeal JF, the better the performance.

CanSeal JF should not be installed until the building is under permanent temperature control.

Do not thin CanSeal JF with solvents. Do not use exterior or as an expansion joint sealant.

Although UV resistant CanSeal JF may slightly discolor if exposed to strong and constant sources of ultra-violet radiation.

Keep away from food and food containers.

## COVERAGE RATE

Lineal feet per gallon: Theoretical

		W I D T H			
		3/16	1/4	3/8	1/2
D E P T H	inches				
	1"	100	76	50	36
	2"	50	38	25	18