

C-JOINT - NEW & IMPROVED #2096102/002, #2095603

Floor Joint Sealer



Features:

- 2 Gallon Kit available in Clear (2096002) and Gray (2096102)
- Cartridges available in Clear (2095603)
- Mix ratio: 1 to 1 by volume
- Excellent impact resistance
- Tensile strength of 1,984 psi



Description:

C-JOINT NEW & IMPROVED is a two component, 100% solids polymer system designed for applications where a resilient joint material is needed. Recommended for concrete/cement expansion joints in general industry. The two-component material (standard) is supplied with a gray component and a clear component.

Applications:

- Concrete
- Expansion Joints
- Cement

Product Characteristics: Kit & Cartridges

	Part A	Part B
Appearance & Odor:	Medium Viscosity Clear or Colored Liquid – Negligible Odor	Medium Viscosity Liquid
Boiling Point/Range:	Not applicable.	>300C Decomposes
Vapor Pressure:	Not applicable.	Not applicable.
Specific Gravity (H ₂ O=1):	1.1	1.1
Water Solubility:	Negligible	Negligible
pH:	Not applicable.	Not applicable.
Transport Information:		
UN Number:	Not regulated.	Not regulated (single containers less than 5,000 pounds)
Proper Shipping Name:	Not regulated.	Not regulated.
Class:	Not regulated.	Not regulated.
Packing Group:	Not regulated.	Not regulated.

Mixing and Application Instructions

Product Storage: Store product in an area so as to bring the material to normal room temperature before using. Continuous storage should be between 50-90°F. Avoid low temperatures and large temperature fluctuations in storage as these conditions could cause possible product crystallization.

Primer: No primer is necessary. This material is self-priming. However, any suitable primer can be used.

Recoat or Topcoating: No recoating or topcoating is necessary. However, if you opt to topcoat the applied joint compound, allow it to cure before topcoating. It is not necessary to prime over the joint compound prior to topcoating the joint compound. Many epoxies and urethanes can be used. In some instances, especially when excessive expansion joint movement is involved, topcoats may chip or crack. However, most epoxy or topcoat products will adhere to the joint compound very well.

Cleanup: Use xylol.

Floor Cleaning: Caution! Some cleaners may affect the color of the floor installed. Test each cleaner in a small area, utilizing your cleaning technique. If no ill effects are noted, you can continue to clean with a product and process tested.

Restrictions: Restrict the use of the floor to light traffic and non-harsh chemicals until the coating is fully cured (see full cure under full cure schedule section). It is best to let the floor remain dry for the full cure cycle. Dependent on actual complete system application, surface may be slippery, especially when wet or contaminated; keep surface clean and dry.

Surface Preparation: All dirt, oil, dust, foreign contaminants and laitance must be removed to assure a trouble free bond to the substrate. We recommend that all loose concrete, previous joint compound or other foreign material be removed to leave a clean sound joint at least 1/2" deep. For best results, edges should be sawcut and a backer rod should be placed into the joint. At a minimum, the joint depth should be at least 1/2 the joint width from the top of the backer rod to the top of the joint with a minimum of 1/2".

Pictograms:



Part A Part B

Signal Word:

Part A: Danger
Part B: Danger

Personal Protective Equipment Required:



DOT Placard:
Not available.

VOC Compliancy:
Not available.

MIX RATIO:

1 to 1 by volume

SHELF LIFE:**2 Gallon Kit:** 6 months in unopened containers properly stored at normal room temperature. (mix before use- gallon kits)**Cartridge:** 6 months in unopened containers properly stored at normal room temperatures.**HARDNESS:**

40-45 Shore D

COMPRESSIVE STRENGTH:

2,300 psi

TENSILE STRENGTH:

1,984 psi

ELONGATION AT BREAK:

100%

IMPACT RESISTANCE:

Excellent

ABRASION RESISTANCE:

18.2 mg loss with a 1000 gram total load at 1000 revolutions with a CS17 wheel

ADHESION:**2 Gallon Kit:** 410 psi (elcometer) – no delamination/concrete failure**Cartridge:** 410 psi (elcometer) – concrete failure**VISCOSITY:**

Mixed= 1,200 cps – 1,400 cps (typical)

DOT CLASSIFICATIONS:

Part A "not regulated"

Part B "not regulated"

Excellent

SOLIDS BY WEIGHT:

100%

VOLATILE ORGANIC CONTENT:**2 Gallon Kit:** Zero pounds per gallon**Cartridge:** Less than 1 g/l**COLORS AVAILABLE:****2 Gallon Kit:** Medium gray (mixed) Part A is Gray and Part B is clear.**Cartridge:** Available in clear**RECOMMENDED THICKNESS:** 1/2" to 1 1/2"**COVERAGE:****2 Gallon Kit:** @ 1/2" by 1.0" yields 74-78 lineal feet**Cartridge:** A tube set is 600ml (approximately 0.1585 gallons) Six tube sets is approximately 0.935 gallons (Approximate coverage rate for 1 tube set @ 1/2" wide by 1/2" deep would be 11 to 12 lineal feet)**Directions:****Application Procedures:****2 Gallon Kit:**

Request and read the technical data sheet before use. Remove all dirt and foreign contaminants. Make sure the joint is dry. All loose concrete and previous joint compound must be removed to leave a dry clean sound joint. For best results, edges should be saw cut and backer rods can be used to regulate depths to around 1/2 inch in joint. Mix part A and part B together at the correct mix ratio and mix well with slow speed mixing equipment until uniform in color and consistency being sure to scrape the sides and bottom of the mixing pail thoroughly. Avoid high speed mixing as this could force air into the product. Improper mixing will cause an incomplete cure and soft spots in the joint. Apply the mixed product by pouring the material into the expansion joint to be repaired. Remove any excess material either immediately with a putty knife or allow to cure until it can be cut with a razor type scraper at the joint level.

Cure Schedule: (70°) (2 Gallon Kit):

Pot life.....25-35 minutes
 Recoat or topcoat.....4-7 hours
 Light foot traffic.....8-12 hours
 Full cure (heavy traffic).....3-5 days

Application Temperature: 60-90°F**Primer:** None required**Topcoat:** None required. Many epoxies and urethane are compatible.**Recommended For:** Recommended for concrete/cement expansion joints in general industry.**Not Recommended For:** Not recommended for applications for all acids and chemicals.***Improper mixing may result in product failure.****Cartridge:**

Discard the unmixed portion of mixed material at the start of each application. This product has a very short pot life of 1-2 minutes and should be applied with a dual cartridge caulking gun using the 1/2" diameter 30 element tip. Apply the mixed product by pumping the mixed material in a continuous motion into the expansion joint to be repaired. Remove any excess material with a razor scraper or similar tool after the material has set up enough to cut through with the razor scraping tool. On areas that are not shaved or leveled with a razor scraping tool, it would be advisable to roughen the surface of the joint compound to maximize adhesion of any subsequent coating. Maintain temperatures within the recommended ranges during the application and curing process. When temperatures are lower, allow more time for this material to cure.

Cure Schedule (Cartridge):

Pot life (150 gram mass)1-2 minutes @ 70°F
 Recoat or topcoat.....1 hour @ 70°F
 Light foot traffic.....1-3 hours @ 70°F
 (Heavy traffic).....3-5 days @ 70°F

Application Temperature: 40-90°F (lower temperatures will require additional cure time)**Primer:** None required**Topcoat:** None required. However, many types of products can be used as coatings or overlays for the area that has been patched.**Limitations:**

*Color stability may be affected by environmental conditions such as high humidity, chemical exposure or exposure to certain types of light such as sodium vapor lighting.

*Colors may vary from batch to batch.

*Substrate temperature must be 5°F above dew point.

*All new concrete must be cured for at least 30 days prior to application

*This product must be mixed well.

*Apply sample installation at an off-sight location before using material in a commercial setting to become familiar with material limitations.

*Product is not UV color stable.

*This product was developed for plural component mixing equipment and may not be practicable for other applications because of the very short pot life.

Contact your representative for equipment recommendations.

*Test data based on neat resin.

*Physical properties are typical values and not specifications.