

CR305 Polyurea Crack & Joint Filler Heavy Duty Rapid Set Polyurea

INSTRUCTIONS

Wear all appropriate safety gear when performing this work.

Prior to Use:

1. Shake unit aggressively 30-60 secs.
2. Remove cap
3. Remove plugs
4. Snap-on flow restrictor (white -- see separate instruction and photo sheet for additional information)
5. Place static mixer tip over nozzle
6. Screw on reusable locking nut
7. Load cartridge into caulk gun (gun not included with kit)
8. Slowly squeeze trigger with caulk gun pointed up to purge air
9. Tilt caulk gun down, shoot small amount of material into disposable cup to prime mixing tube

Refer to the Tube Set drawings while following the assembly instructions

During Product Installation:

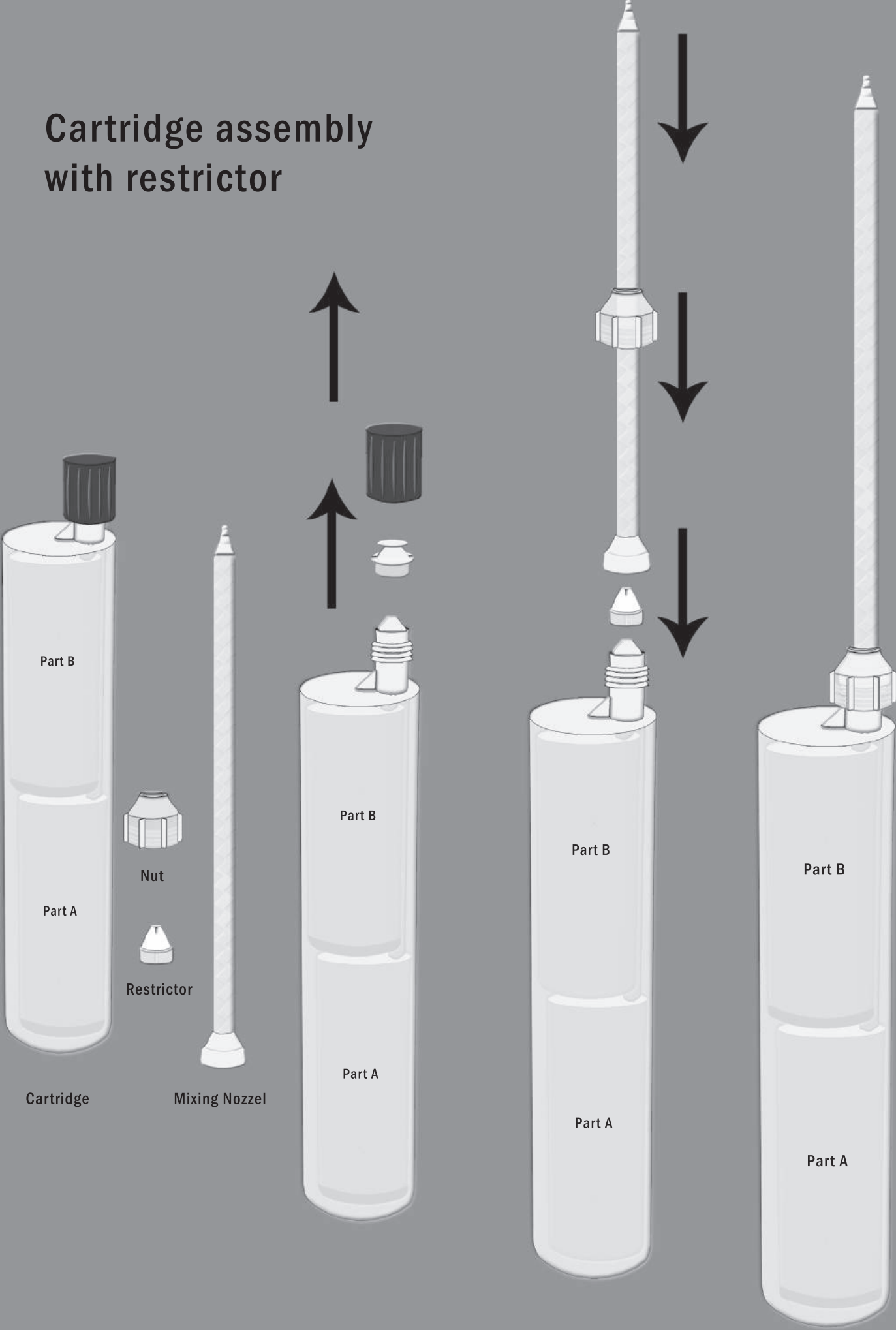
If there is a delay installing, purge caulk gun every 1.5 minutes by shooting small amount of material into a cup.

After Installation:

If not using entire cartridge, tilt caulk gun down, wipe off excess material, replace D caps and store upright.



Cartridge assembly with restrictor



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1 GENERAL DESCRIPTION

CR305 POLYUREA Gray or Black is a heavy duty, rapid-setting polyurea that cures to a grey/black, hard rubber-like flexible material. UV resistant for use outdoors as well as indoors. CS POLYUREA is tack free in approximately 5 minutes and light traffic ready in 30 minutes, and full traffic ready in 60 minutes. CR305 POLYUREA is available in both black and gray.

- CR305 POLYUREA GRAY

Use in joints/cracks on concrete sidewalks, driveways and patios for the permanent control of grass and weeds. Use in control joints of industrial floors (will stand up to heavy traffic).

- CR305 POLYUREA BLACK

Makes cracks virtually disappear in blacktop driveways and paths. Use for repair of cracks before using a topcoat.

2 COMPOSITION

A heavy duty, two component, rapid-setting polyurea that cures to a hard rubber-like UV resistant material with a hardness of Shore "A" 85-90.

3 LIMITATIONS

CR305 POLYUREA has a relatively high, load-supportive Shore "A" hardness. The concrete to be repaired should be at least 50° F. at time of application. Concrete should be dry and free of dirt, oil and debris.

4 APPLICABLE SPECIFICATIONS

There are no government or ASTM standards for floor joint fillers. CR305 POLYUREA meets and/or exceeds the floor joint filler guidelines set forth by ACI 302, ACI 360 and PCA.

5 ADVANTAGES

CR305 POLYUREA is heavy duty, providing greater edge protection and support. At 70°F, it can be opened to full traffic within 60 minutes. At 70°F, it can be opened to light traffic in 30 minutes.

TEST TYPE	RESULTS	TEST METHOD
HARDNESS, SHORE "A" @ 70°F	85-90	D-2240
TENSILE STRENGTH	930 PSI	D-638
TENSILE ELONGATION @ 70°F	170%	D-638
ADHESION TO CONCRETE	350-400 PSI	D-4541
TACK FREE @ 70°F	5 MINUTES	-----
LIGHT TRAFFIC READY @ 70°F	30 MINUTES	-----
FULL TRAFFIC READY @ 70°F	60 MINUTES	-----
MIX RATIO (BY VOL.)	1:1	-----
SOLIDS CONTENT	98-100%	-----

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Heavy Duty Rapid Set Polyurea

6 APPLICATION

Note: Store in dry place. Protect from freezing. Store cartridges between 60°F and 90°F. Cartridges should be kept at 70°F + for best results.

Prior to Use:

1. Shake unit aggressively 30-60 secs.
2. Remove locking nut
3. Remove D Caps
4. Snap-on flow restrictor
5. Place static mixer tip over nozzle
6. Screw on locking nut
7. Load cartridge into gun
8. Slowly squeeze trigger with gun pointed up to purge air
9. Tilt gun down, shoot small amount of material into disposable cup

During Product Installation:

If there is a delay installing, purge gun every 1.5 minutes by shooting small amount of material into a cup.

After Installation:

If not using entire cartridge, tilt gun down, wipe off excess material, replace D caps and store upright.

Helpful Hints:

1. Pump slowly and evenly
2. Keep cartridge pointed down, even when moving to another location, purging every 1.5 minutes.
3. Never re-use static mixer

Approximate Coverage Rates:

Joint Size (US)	Linear Feet per Gallon	Joint Size (US)	Linear Feet per Gallon
1/8" x 1 1/2"	100	1/8" x 1 3/4"	85
1/8" x 2"	75	3/16" x 3/4"	135
3/16" x 1"	100	3/16" x 1 1/4"	85
3/16" x 1 1/2"	70	3/16" x 1 3/4"	60
3/16" x 2"	50	1/4" x 1"	80
1/4" x 1 1/4"	60	1/4" x 1 1/2"	50
1/4" x 1 3/4"	45	1/4" x 2"	40

7 WARRANTY

Recommendations concerning the performance or use of this product are based upon independent test reports believed to be reliable. If the product is proven to be defective, at the option of the Manufacturer, it will be either replaced or the purchase price refunded. The Manufacturer will not be liable in excess of the purchase price. The user will be responsible for deciding if the product is suitable for his application and will assume all risk associated with the use of the product. This warranty is in lieu of any other warranty expressed or implied, including but not limited to an implied warranty of merchantability or an implied warranty of fitness for a particular use.