

Description:

PC-Xtreme™ is a two-component (1:1 ratio), rapid curing Polyurea elastomeric crack and joint filler. It is self leveling, 100% solids with Extreme flexibility allowing 10-15% movement of installed joint width. Product can be applied in temperatures ranging from -40°F (-40°C) to 120°F (49°C). Non solvent formula with low V.O.C. (1.72g/l). The resin and the hardener are uniformly dispensed from the cartridge and mixed through a mixing nozzle utilizing a standard caulking gun.

Note: For use on dry surfaces only.

INSTRUCTIONS:

While preparing cartridge for dispensing, keep cartridge in an upright position to prevent material from leaking out of cartridge. DO NOT TILT cartridge until ready to apply material.

- 1.** Shake cartridge vigorously for 1 minute, then stand cartridge in an upright position for 5 minutes.
- 2.** Insert cartridge into dispensing gun. Remove plastic cap from the top of the cartridge. **IMPORTANT:** Before attaching nozzle, dispense a small amount of material into a disposable container until both materials flow evenly from the cartridge. Place nozzle onto cartridge and secure by threading in a clockwise direction.
- 3.** Point nozzle straight up and slowly apply pressure to dispensing gun, moving the product up through the nozzle until it reaches the tip, then dispense 1 stroke of the product into a disposable container. After purging air and balancing always point the cartridge downward when not dispensing to prevent mixed material in the nozzle from flowing back into the cartridge.

Note: Joints may be overfilled and shaved in 45 minutes (at 72°F (22°C). Surface must be DRY and clean. New concrete must be a minimum of 28 days old. For best results, re-cut joints with a dry diamond blade. All dirt, oil, debris and grease must be removed from the joints and cracks being filled. Blow out dust from joints and cracks prior to applying material.

JOINT PREPARATION: NOTE: DO NOT USE IN EXPANSION JOINTS**For Exterior and Interior Control Joints and Cracks:**

- 1.** Surface and surrounding area must be completely dry prior to use.
- 2.** Freshly poured concrete must be cured for a minimum of 28 days to allow moisture to release.
- 3.** Using a saw or grinder with a dry diamond or concrete blade, cut along the crack to open it to a 3/16" to 1/4" wide gap. The edges should be a 90° angle to the surface to avoid a feathered edge

FOR HEAVY TRAFFIC AREAS:

The joint width should be a maximum of 3/4" (1.9cm).

The joint depth should be a minimum of 3 times the width. 2.2" (5.7cm).

- 4.** Blow out and remove all dust, dirt, oil and other contaminants from the joint or crack.
- 5.** To avoid bonding to the bottom of a deep joint or crack, backer rod or Kiln-Dried Sand (Play Sand) should be placed prior to application of PC-Xtreme.
- 6.** Dispense material and allow to gravity feed into the crack or joint. If shaving the joint after filling, over-fill the crack or joint so material is slightly higher than the surface you are working on.
- 7.** Allow PC-Xtreme to cure for approximately 45 minutes at 75° F (24°C). Use a sharp floor scraper to shave excess material from top of surface.
- 8.** If coating the repair; **FOLLOW DIRECTIONS FOR TOP COATING COMPLETELY. YOU MUST WAIT 24 HOURS PRIOR TO APPLYING ANY PRIMER. ONLY USE A PREMIUM WATER-BASED PRIMER THAT IS COMPATIBLE WITH XYLENE OR OTHER SOLVENT BASED COATINGS. THIS PRIMER MUST BE USED PRIOR TO THE APPLICATION OF ANY TOP COATING. ONCE PRIMER IS FULLY CURED; TEST A SMALL AREA WITH TOP COATING TO BE APPLIED. OBSERVE FOR SEVEN (7) DAYS PRIOR TO FULL APPLICATION IS PERFORMED.**

Advantages and Features:

- KEEPS JOINTS AND CRACKS FREE OF DEBRIS AND PROVIDES A CONTINUOUS SURFACE FOR WEIGHT LOADING.
- REPAIRED JOINTS CAN BE OPENED TO TRAFFIC IN 90 MINUTES AT 72°F (22°C)
- SELF LEVELING, LOW VISCOSITY SYSTEM.
- FREEZER APPLICATIONS. MEETS USDA REQUIREMENTS FOR INCIDENTAL FOOD CONTACT.
- 100% SOLIDS, SOLVENT FREE WITH LOW VOC
- WIDE TEMPERATURE RANGE FOR APPLICATION
- GREAT FLEXIBILITY

DATA:

Application Temperature: - 40°F (- 40°C) to 120°F (49°C). Do not subject cured product to temperatures in excess of 200°F (94°C).

Color: Part A- Amber. Part B - Gray. Mixed: Gray. NOTE: Once product is applied, it will turn a greenish color.

This is only temporary. It will revert back to the gray color within several days.

Mix Ratio: 1:1

TECHNICAL DATA

Properties	ASTM	75°F (24°C)
Viscosity (mixed)		525 centipoise
Gel Time		3 minutes
Cure Time		90 minutes
Tensile Strength	D412	1200 psi (8,3 Mpa)
Elongation	D412	82%
Bond Strength	C882	400 psi (2,8 Mpa)
Shore A Hardness	D2240	75-80
Adhesion to Concrete	D4541	275 psi (1,9 Mpa)
Abrasion Resistance		Excellent
V.O.C.		1.72 g/l

CURE AND SHAVE TIMES

Temperature °F	Temperature °C	Time
100-120°	38-49°	20 minutes
80-99°	27-38°	30 minutes
70-79°	21-27°	45 minutes
60-69°	16-21°	1 1/2 hours
50-59°	10-15°	2 hours
40-49°	4-10°	2-3 hours
0-40°	(-)18-4°	3-7 hours
(-)10°	(-)23°	7 1/2 hours
(-)20°	(-)29°	8 hours
(-)30°	(-)34°	8 1/2 hours
(-)40°	(-)40°	10 hours

USAGE CHART

Joint Size Inch	Millimeter	9oz Cartridge Linear foot	Linear Meter	22oz Cartridge Linear foot	Linear Meter
1/8" x 1"	3,18 x 25,4	10.3	3,14	26.7	8,14
1/8" x 1 1/4"	3,18 x 31,75	8.3	2,53	21.3	6,49
1/8" x 1 1/2"	3,18 x 38,1	6.9	2,1	17.8	5,43
1/8" x 1 3/4"	3,18 x 44,45	5.9	1,8	15.2	4,63
1/8" x 2"	3,18 x 50,8	5.2	1,58	13.3	4,05
1/4" x 1"	6,35 x 25,4	5.2	1,58	13.3	4,05
1/4" x 1 1/4"	6,35 x 31,75	4.1	1,25	10.7	3,26
1/4" x 1 1/2"	6,35 x 38,1	3.4	1,04	8.9	2,71
1/4" x 1 3/4"	6,35 x 44,45	3	0,91	7.6	2,32
1/4" x 2"	6,45 x 50,8	2.6	0,79	6.7	2,04
1/2" x 1"	12,7 x 25,4	2.6	0,79	6.7	2,04
1/2" x 1 1/4"	12,7 x 31,75	2.1	0,64	5.3	1,62
1/2" x 1 1/2"	12,7 x 38,1	1.7	0,52	4.4	1,34
1/2" x 1 3/4"	12,7 x 44,45	1.5	0,46	3.8	1,16
1/2" x 2"	12,7 x 50,8	1.3	0,40	3.3	1,01

The table above is a general table for estimating product usage.

The addition of backer rod or kiln dried sand (play sand) will require less product.

CHEMICAL RESISTANCE

Chemical (Reagent)	Continuous Service	Limited (Occasional Spills)
Acetic Acid (10%)	X	
Acetone		X
Bleach		X
Bleach (10%)	X	
Citric Acid (5%)	X	
Crude Oil	X	
Motor Oil		X
Gasoline		X
Diesel Fuel	X	
Hydraulic Oil	X	
Ethylene Glycol		X
Fatty Acids	X	
NaCl (10%)	X	
Hydrochloric Acid (10%)	X	
Lactic Acid (5%)	X	
Methyl Ethyl Ketone		X
Nitric Acid (1%)	X	
Phosphoric Acid (10%)	X	
Sodium Hydroxide (20%)	X	
Sulfuric Acid (20%)	X	
Toulene		X
Urea (50%)	X	
Vinegar	X	
Xylene		X

CLEAN UP: Clean tools and equipment with solvent such as xylene, toulene, MEK or WD-40. Do not allow material to harden on equipment.

SHELF LIFE: 18 months **IMPORTANT:** The user assumes all risks when applying a top coat without first applying an approved primer.

LIMITED WARRANTY Recommendations concerning the performance or use of this product are 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 replaced or the purchase price refunded. The manufacturer will not be liable for personal injury, loss or damage in excess of the purchase price. The user will be responsible for deciding if the product is suitable for their application and will assume all risks 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.