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## Fast Bonding Epoxy Adhesive

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**Description:** Crackbond CP3400 is a two component 100% solids, structural epoxy paste adhesive that combine to form a tough, creep resistant, fast grout with a wide range of job-site uses. Its high viscosity, non-sag, creamy consistency makes it ideal for surface filling, bonding agent, bolt grouting and capping cracks. With a 7-minute gel time and quick strength gain upon cure, gives workers maximum application time and reduces wasted product. Crackbond 3400 is moisture insensitive and will adhere to moist or damp surfaces. (For maximum bond, it is better to work on a dry surface.)

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**Uses and Advantages:** Anchor grouting threaded rod, rebar dowels into concrete and masonry  
Surface patching  
Bonding concrete, wood and masonry  
Decorative stone/tile adhesive  
Mounting injection ports and capping cracks  
Reliable and easy to use 1:1 by volume mix ratio  
Moisture insensitive and may be used in damp environments  
Negligible shrinkage

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**Packaging:** Crackbond CP3400 is available in bulk sizes including 1 (102 oz.), 2, 10 and 100 gallon kits.  
1 Gallon yield 231 cu. in. of epoxy, 1.8 cu. in. = 1 fl. oz.

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### Coverage

Thickness	Coverage / Gallon
(1000 mils = 1 in.)	
1/4" = 250 mils	6.4 sq. ft.
3/16" = 187 mils	8.5 sq. ft.
1/8" = 125 mils	12.8 sq. ft.
1/16" = 62.5 mils	25.5 sq. ft.

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*Manufactured In The U.S.A. by Adhesives Technology Corp.*

## INSTRUCTIONS FOR USE:

Note: component “A” contains epoxy resin and is an irritant / sensitizer; component “B” contains amines and is a corrosive / sensitizer; prior to using the Crackbond CP3400 product, please consult the material safety data sheet for proper handling instructions.

**SURFACE PREPARATION:** Concrete and Steel: Surfaces must be sound and cleaned so there is no dust, dirt, grease, wax, oil or any other contaminants. Surfaces may be damp (or dry) however there should be no standing water. Surfaces may be prepared by shot blasting or other equivalent mechanical means.

**MIXING INSTRUCTIONS:** Thoroughly stir each component before mixing them together.

**BUG packaging (102 fluid oz kit):** Pour the contents of the “B” component pail (hardener) into the “A” component pail (resin).

**B2G, B10G & B100G packaging:** Mix only the amount of material that can be used before the pot life expires. Proportion equal parts by volume of both component “A” and component “B” into a clean pail. Be sure that components are mixed at an exact 1:1 ratio by volume.

Mix thoroughly with a low speed drill (400 – 600 rpm) with a mix paddle attachment (i.e. a jiffy mixer). Carefully scrape the sides and the bottom of the container while mixing. Keep the paddle below the surface of the material to avoid entrapping air. Proper mixing will take at least 3 minutes and when well mixed the material will be free of streaks or lumps.

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## TECHNICAL DATA FOR CRACKBOND CP3400

<b>Shelf Life</b>		<b>2 years</b>
<b>Storage Conditions</b>		<b>Below 95° F</b>
<b>Color</b>		<b>Concrete Gray</b>
<b>Consistency</b>	<b>ASTM C881</b>	<b>Non-sag @ 78° F Non-sag @ 95° F</b>
<b>Temperature Range</b>		<b>40° F - 115° F</b>
<b>Mixing Ratio A:B (Volume)</b>		<b>1:1</b>
<b>Gel Time (60 gram mass @ 78° F)</b>	<b>ASTM C881</b>	<b>7 minutes<sup>1</sup></b>
<b>Compressive Yield Strength - 7 days</b>	<b>ASTM D695</b>	<b>8,500 lbs</b>
<b>Bond Strength</b>	<b>ASTM C882</b>	<b>2,450 psi</b>
<b>Tensile Strength</b>	<b>ASTM D638</b>	<b>1,850 psi</b>
<b>Heat Deflection Temperature</b>	<b>ASTM D648</b>	<b>139° F</b>
<b>Linear Shrinkage</b>	<b>ASTM D2566</b>	<b>0.002 cm/cm</b>
<b>Water Absorption – 24 hrs</b>	<b>ASTM D570</b>	<b>0.46 %</b>

1. Gel and Bolt Up Times lengthen as temperatures decrease and shorten as temperatures increase.

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