
Non-Sag Slow Cure Epoxy

Description: Ultrabond 5300 is a two component 100% solids, high aspect ceramic-blend epoxy. It is a solvent free, high strength, high modulus, moisture insensitive, non-sag epoxy system. Ultrabond 5300 is ideal for patch and spall repairs in vertical, horizontal and overhead applications requiring a long working time. Ultrabond 5300 can be used in concrete, hollow block, brick and stone. It is ideal for use in temperatures ranging from 60°F to 110°F. Ultrabond 5300 is an excellent choice where a **high strength** adhesive with **maximum field reliability** is desired.

Applications: Patch and Spall repairs in a variety of substrates
Ideal for vertical, horizontal and overhead applications
Bonding agent (metal, concrete, brick, wood, stone, or block)
Excellent high strength durable coating for concrete, block and brick
Pick proof sealant – windows, doors, locks (correctional facilities)
Structural bonding of concrete to concrete
Concrete repair – epoxy resin binder for epoxy mortar patching
Non structural surface crack repair
Patching material for bug holes in concrete

Features and Benefits: High strength adhesive
May be used in concrete, hollow block, brick, clay and stone
Ideal for vertical, horizontal, overhead applications
Trowelable high viscosity, non-sag gel
Long working time
Reliable and easy to use 1:1 mix ratio
Moisture insensitive, may be used in damp environments

Classification: Conforms to ASTM C881-99: Type I, II, IV and V, Grade 3, Class C.

Packaging: Ultrabond 5300 is available in 1 gallon (102 oz.), 2 gallon, 10 gallon and 100 gallon kits.

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

Instructions for Use:

BULK USE: Pre-mix each component “A” and “B” separately. Then mix all of part “A” with all of part “B” until a uniform gray color with no streaks is achieved. Use a drill on low speed (400 rpm) for a minimum of three minutes. Make sure to scrape the sides and bottom to thoroughly mix all contents. Mix the epoxy in 1:1 ratio proportions. Mix only the quantity that can be used within the pot life of the adhesive. Read and follow the complete bulk instruction guide.

TECHNICAL DATA FOR Ultrabond 5300

Shelf Life		2 years
Storage Conditions		Below 95° F
Color		Concrete Gray
Consistency	ASTM C881-90	Non-Sag @ 78° F ²
Temperature Range		60° F - 110° F ³
Mixing Ratio A:B (Volume)		1:1
Gel Time (60 gram mass @ 78° F)	ASTM C881-90	60 minutes ¹
Open Time		4 - 4½ Hours @ 78°F
Compressive Strength - 7 days	ASTM C695	> 10,000 lbs.
Bond Strength	ASTM C882	>1,250 psi @ 2 days
Bond Strength	ASTM C882	>2,500 psi @ 14 days
Water Absorption – 24 hrs	ASTM D570	< 0.47 %
Linear Shrinkage		< 0.003 cm/cm
Tensile Strength - 7 days	ASTM D638	3,250 psi, minimum
Heat Deflection Temperature	ASTM D648	123° F

1. Gel and Bolt Up Times lengthen as temperatures decrease and shorten as temperatures increase.
2. A pourable material. It will run out of horizontal and overhead holes.

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