



Epoxy.com Product #713

Epoxy Dowel Bar and Anchor Bolt Adhesive

DESCRIPTION

Product #713 Dowel Bar and Anchor Bolt Adhesive is a two component, thixotropic, fast setting epoxy adhesive. It is specifically formulated with an easy to use, non sag consistency. The special high function resin system allows cure in temperatures as low as 20 F. The non-sagging properties will permit the material to be pumped or gunned into horizontal holes for anchoring rebar or steel bolts. Epoxy.com PRODUCT #713 exceeds the requirements of ASTM C 881-90 Types, I, II, Grade 3, Class A

PRIMARY USE

Setting steel dowels in roadways.
Anchor bolts in horizontal, vertical, or overhead application
Sealing surface cracks, when injecting low viscosity resins.
Bonding hardened concrete to hardened concrete, where good gap filling properties are essential including wood.

ADVANTAGES

Minimum energy required to extrude through double-barrel hand held guns and static mixer or air and electric driven pumps with static mixers.
Will bond to wet or dry surfaces.
May be feather-edged and will not shrink.
Is readily dispensed into narrow slots and holes from cartridge dispensers.
Has excellent resistance to gasoline, oil, sewage and aggressive water.

APPLICATION PROPERTIES

Mix Ratio	1:1 by volume
Gel Time - ASTM D-2471	6 minutes \pm 2
Color	Gray
Consistency	Non-Sag 1/4" max. thickness
Initial Cure	4 hours
Final Cure	3 days

PHYSICAL PROPERTIES RESULTS

Concrete Bond Strength (ASTM C 882)	2,500 ± 250 psi (17.24 MPa ± 1.72 Mpa)
Compressive Strength (ASTM D 695)	9,000 psi (62.05 MPa)
Water Absorption (ASTM D 570)	0.25%
Elongation % (ASTM D 638)	4% maximum
Shrinkage (ASTM C 883)	Passes

SURFACE PREPARATION

For best results, areas where the material is applied must be free of laitance, grease, oil, and any other contaminants which would inhibit a bond. Abrasive blasting, water blasting, or wire brushing for surface preparation are recommended.

MIXING

Mixing occurs when the material is discharged through a static mixer using a double barrel gun.

COVERAGE

One unit consists of (2) 10 fluid oz. (30 centiliters) tubes & yields 36 cu.in. = 1 liter

PACKAGING

(2) 10 oz. (30 centiliters) Double Barrel Tubes with Static Mixer

2 gallon units (8 liters), 10 gallon units (38 liters) , 110 gallon units (416 liters)

LIMITATIONS

Epoxy.com PRODUCT #713 should not be used when surface temperatures are below 20° F.

CAUTION

"A" Component contains epoxy resin. **DANGER!** "B" Component contains alkaline amines; strong sensitizer. May cause skin sensitization or other allergic responses. Use with good ventilation, particularly if material is heated or sprayed. Prevent all contact with skin or eyes. Wear protective clothing, goggles, gloves and/or barrier creams. Keep container closed when not in use. Wash thoroughly after handling.

FIRST AID

In case of skin contact, immediately wash with soap and water. In case of eye contact, flush eyes with copious amounts of water for at least fifteen (15) minutes. Remove contaminated clothing shoes. If irritation persists, seek medical attention. Wash clothing before reuse

Note: This product is not a stock item and requires a larger minimum order. For most applications Epoxy.com Product #702 will get the job done as well or better than this product. Product #713 has a very short pot life (6 minutes). Product #702 has a longer pot life (10 minutes). This effectively doubles the working time after it is mixed. This longer pot life results in a product that is easier to use and because of that can yield better results.

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

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