



Epoxy.com Product #7

All Purpose Epoxy Bonding Agent

DESCRIPTION

Epoxy.com Product #7 All Purpose Epoxy Bonding Agent is a two component, 100% solids epoxy resin system designed to bond new concrete to old and other materials to concrete. It has a convenient 1:1 mix ratio, by volume with a viscosity similar to heavyweight oil. **PRODUCT #7** exceeds the requirements of ASTM C-881-90, Types I, II, IV and V, Grade 2, Class "B" and "C".

ADVANTAGES

Epoxy.com PRODUCT #7 can be used:

- to bond new concrete to old
- to grout machine base plates
- to place anchor bolts
- as a floor topping with good chemical resistant properties
- as a skid-resistant surface on concrete, steel or timber
- as a protective coating.

APPLICATION

Bonding Agent - When Epoxy.com Product #7 is used as an adhesive, bonding new concrete to existing surfaces, coat the existing area (concrete, steel, aluminum, wood) at a rate of 100 square feet per gallon (9 m²) on smooth surfaces, 60 square feet on rough (6 m²). Apply topping while **PRODUCT #7** is tacky; if dry, recoat.

Coating - When Epoxy.com Product #7 is used as a protective coating, apply the material at a rate of 200 square feet per gallon per coat (8 mils) (19 m²/3.79 L -or- 5 m²/L).

Epoxy Grout - When Epoxy.com Product #7 is used as an epoxy grout for machine-base grouting, add 2 parts by volume of **PRODUCT #76 Epoxy Extender**, or 1 part by volume of **Epoxy.com PRODUCT #75 Filler** to produce good flow.

PRODUCT #7	+ PRODUCT #75 Filler	= MORTAR
1 gal.	1 gal. (3.8 L)	350 cu. in. (5.74 L)
1 gal.	2 gals. (7.6 L)	475 cu. in. (7.78 L)
1 gal.	3 gals. (11.36 L)	600 cu. in. (9.83 L)

PRODUCT #7	+ PRODUCT #76 Epoxy Extender	= MORTAR
1 gal.	2 parts	500 cu. in. (8.19 L)
1 gal.	3 parts	750 cu. in. (12.3 L)

MIXING

Stir Component "B" thoroughly before combining with Component "A". Combine 1 part volume of Component "A" with 1 part by volume of Component "B" for not less than (3) three minutes, using a slow-speed drill motor (300 to 600 rpm) and **Epoxy.com Mixing Paddle** for a uniform gray mixture. Scrape sides and bottom. Avoid entrapping air in mixture. Apply immediately after mixing to properly prepared surface.

APPLICATION

Surface must be clean and sound. Remove rust, grease and curing compounds by best means available. **Epoxy.com Product #7 All Purpose Epoxy Bonding Agent** may be applied to dry or damp surfaces, but not in standing water. Apply by brush, roller or spray. Place fresh concrete while **PRODUCT #7** is still tacky. If epoxy hardens simply apply another coat.

PHYSICAL PROPERTIES

Color	Gray
Ratio A:B	1:1
Viscosity	6,000 cps
Modulus of Elasticity ASTM D 695	550,000 psi min. @ 28 days 3792 MPa
Bond Strength, Hardened to Plastic ASTM C 882	2,000 psi min. @ 14 days 13.79 MPa
Tensile Strength ASTM D 638	6,000 psi min. @ 7 days 41.37 MPa
Tensile Elongation ASTM D 638	3% @ 7 days
Flexural Strength (Modulus of Rupture) ASTM D 790	7,500 psi @ 14 days 51.7 MPa
Compressive Strength ASTM D 695	10,000 psi min. - 7 days 68.95 MPa
Water Absorption ASTM D 570	2 hour boil 0.40% - 7 days
Effective Shrinkage ASTM C 883	0%
Pot Life (1 gallon)	30 mins. @ 60° F (15.6° C) 25 mins. @ 75° F (24° C) 15 mins. @ 90° F (32.2° C)
Tack-Free Time (7.5 to 8 mils thick)	6 hrs. @ 60° F (15.6° C) 3 hrs. @ 75° F (24° C) 1 hr. @ 90° F (32° C)

LIMITATIONS

Application of Epoxy.com Product #7 to surfaces with a temperature below 50° F (10.0° C) prolongs cure. Do not use if surface temperature is below 40° F (4.4° C).

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.
FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN.

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