

Epoxy Bonding Adhesive Resins

- [Home](#)
- [Product Catalog](#)
- [About Us](#)
- [Chemical Resistant](#)
- [Epoxy Coatings](#)
- [Flooring](#)
- [Installation](#)
- [Joints](#)
- [Mortars & Grouts](#)
- [Primers & Sealers](#)
- [Specifier's Info](#)
- [Structural](#)
- [Waterproofing](#)
- [MSDS & Tech Data](#)
- [Ordering Info](#)

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Epoxy Bonding Agent

Bonding Fresh Concrete to Hardened Concrete

Epoxy.com Product #2007

DESCRIPTION

Epoxy Fresh Concrete to Hardened Concrete Adhesive #2007 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 2:1 mix ratio, by ASTM C-881-90, Types I, II, IV and V, Grade 2, Class "B" and "C" volume with a viscosity similar to heavyweight oil. **Epoxy Fresh Concrete to Hardened Concrete Adhesive #2007** (adhesive) exceeds the requirements of ASTM C-881 Type II, Grade 2, Class "B" "C" "D" and E.

ADVANTAGES

- **Meets ASTM C-881 Type II, Grade 2, Class "B" "C" "D" and E.**
- Is a Moisture Insensitive Epoxy Adhesive
- Multi-Function Epoxy - makes it suitable for many types of uses

Very Little Odor

- 100% Solids
- Zero (0) VOC Epoxy Adhesive - No VOC means it meets the strictest low VOC standards

USES

Epoxy Fresh Concrete to Hardened Concrete Adhesive #2007 (adhesive) can be used for:

- New Concrete to Old Concrete Epoxy Binding Resin
- Epoxy Grouting Machine Base Plates
- Anchor Bolts Setting Epoxy
- An Epoxy Floor Topping with Good Chemical Resistant Properties
- A Skid-Resistant Epoxy Surface on Concrete, Steel or Timber
- A Protective Epoxy Coating.

APPLICATION

Bonding Agent

When **Epoxy Fresh Concrete to Hardened Concrete Adhesive #2007** 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 **Epoxy.com Product #2007 All Purpose Epoxy Bonding Agent** (adhesive) is tacky; if dry, recoat.

Coating

When **Epoxy Fresh Concrete to Hardened Concrete Adhesive #2007** 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).

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 Fresh Concrete to Hardened Concrete Adhesive #2007** may be applied to dry or damp surfaces, but not in standing water. Apply by brush, roller or spray. Place fresh concrete while **Epoxy Fresh Concrete to Hardened Concrete Adhesive #2007** (adhesive) is still tacky. If epoxy hardens simply apply another coat.

PHYSICAL PROPERTIES

Mix Ratio	2:1 by Volume
Mix Viscosity	3,500-4,500 cps
Bond Strength PSI Min.	1,500
Gel Time (150 g mass @ 70i;½ F)	30-40 min.

Flash Point in °F	>200
Consistency	3,500 to 4,500 cps
Initial Cure	24 hr. (80% ultimate strength)
Final Cure	7 Days
Lineal Coefficient of Shrinkage	.005 (max)
Compressive Modulus (psi)	150,000 (min)
Compressive Yield (psi) at 7 day cure	5,000 (min)
Tensile Strength @ 75 degrees F at 7 days	4000 P.S.I (34.5 MPa)
Flexural Strength (psi)	11,000 (min)
Heat Deflection Temperature °F	120 (min)
Elongation at break (%)	2.5 (min)
Thin Set Film set time hours	7-9
Peak Exotherm °F	214
v.o.c (mixed)	0.0
Coverage @ 30 mils	53 sq. ft./gal
Packaging	1.5 gal units, 3 gal units, 15 gal units
Shelf Life	2 years

LIMITATIONS

Application of **Epoxy Fresh Concrete to Hardened Concrete Adhesive #2007** to surfaces with a temperature below 50°F (10.0°C) prolongs cure. Do not use if surface temperature is below 50°F (10.0°C).

CHEMICAL RESISTANCE

Epoxy Fresh Concrete to Hardened Concrete Adhesive #2007 is excellent against distilled water, most inorganic acids and alkalis and moderate against alcohols or aromatic solvents.

BLOG POSTS & NEWS

You can find more information on [Epoxy Gel Adhesive Products](#), and many of our other products at news.epoxy.com.

NOTICE TO BUYER

DISCLAIMER OF WARRANTIES AND LIMITATIONS ON OUR LIABILITY Products are manufactured to strict quality assurance specifications and that the information supplied by us is accurate to the best of our knowledge. Such information supplied about our products is not a representation or a warranty. It is supplied on the condition that you shall make your own tests to determine the suitability of our product for your particular purpose. Any use or application other than recommended herein is the sole responsibility of the user. Listed physical properties are typical and should not be construed as specifications. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, REGARDING SUCH OTHER INFORMATION, THE DATA ON WHICH IT IS BASED, OR THE RESULTS YOU WILL OBTAIN FROM ITS USE. NO WARRANTY IS MADE, EXPRESSED OR IMPLIED, THAT OUR PRODUCT SHALL BE MERCHANTABLE OR THAT OUR PRODUCT SHALL BE FIT FOR ANY PARTICULAR PURPOSE. NO WARRANTY IS MADE THAT THE USE OF SUCH INFORMATION OR OUR PRODUCT WILL NOT INFRINGE UPON ANY PATENT. We shall have no liability for incidental or consequential damages, direct or indirect. Our liability is limited to the net selling price of our product or the replacement of our product, at our option. Acceptance of delivery of our product means that you have accepted the terms of this warranty whether or not purchase orders or other documents state terms that vary from this warranty. No representative is authorized to make any representation or warranty or assume any other liability on our behalf with any sale of our products. Our products contain chemicals that may CAUSE SERIOUS PHYSICAL INJURY. BEFORE USING, READ THE MATERIAL SAFETY DATA SHEET AND FOLLOW ALL PRECAUTIONS TO PREVENT BODILY HARM.

Proper mixing and installation is critical to the optimal success of all product. See [Installation Tips](#), [Techdata](#), & [MSDS](#) for more details on our products. Be sure to contact us with any questions and/or concerns that you have.

For more information please contact:

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