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Epoxy Gel Adhesive and Bonding

**Vertical and Overhead Epoxy Adhesive Resin
Epoxy Patching Gel**

Epoxy.com Product #2006

DESCRIPTION

Epoxy High-Mod Gel Adhesive and Bonding Resin - Product #2006 is a 100% solids high-mod epoxy gel adhesive used for vertical and overhead bonding applications and structural repairs. Epoxy High-Mod Gel Adhesive and Bonding Resin - Product #2006 is also used as a grout for anchor bolts, dowels and rebar. Epoxy High-Mod Gel Adhesive and Bonding Resin - Product #2006 Meets ASTM C881 Requirements for Type I, Type II, Grade 3, Class B, C, D, E.

ADVANTAGES

- Non-sagging Epoxy Gel Formulation
- Exceeds requirements for A.S.T.M. C-881 Types I, II, Grade 3, Class "B", "C", "D", and "E"
- 100% Solids Zero (0) VOC - having no VOC it meets the strictest Low VOC requirements
- Proven field performance
- Slower setting - more time to do the job right
- Waterproof Epoxy Gel

Uses

- Bonding Hardened Concrete to Hardened Concrete
- Bonding Wood to Wood
- Bonding Wood to Concrete
- Dowel Bar Adhesive

- Anchor Bolt Adhesive
- Patching Concrete - Horizontal, Vertical and Overhead
- Patching Wood - Horizontal, Vertical and Overhead
- Setting Injection Ports - for concrete and wood injection
- Waterproofing

APPLICATION PROCEDURES

Surface Preparation

Before application of gel, surface to be bonded must be clean and sound. Remove all dirt, laitance, grease, curing compounds and other foreign matter by **sandblasting, or mechanical** abrasion. When performing repairs, remove all unsound concrete before repairing. See [Epoxy Surface Preparation Procedures](#) for more information.

Remove water and dust from all surfaces with an oil-free air blast immediately prior to application. Although damp surfaces will not deter the bond, all free and standing water must be removed before application begins.

Mixing Instructions

Temperature of **Epoxy High-Mod Gel Adhesive and Bonding Resin - Product #2006** must be 50°F or above at time of mixing. Stir each component separately, before blending. Mix 2 Parts A and 1Part B for three minutes with a low speed electrical drill equipped with a jiffy mixer or paddle. To prepare a mortar add one part by volume of clean, dry, well graded select sand to one part by volume of mixed epoxy.

Application

To apply Epoxy.com Product #6 use a spatula, trowel or caulking gun.

Limitations

Use of solvents for thinning Epoxy.com Product #2006 will prevent proper cure. Temperature of substrate must be above 50°F. Age of new concrete must be a **minimum** of 28 days. Maximum thickness per lift for patching application is 1/2".

SAFETY PRECAUTIONS

Prolonged or repeated exposure may cause eye or skin irritation. If contact occurs, wash immediately and seek medical help. Use safety glasses with side shields and wear protective rubber or polyethylene gloves.

CLEANING

All tools and equipment should be cleaned before the system gels. Use toluene, Methyl ethyl ketone or any lacquer solvent.

SPECIFICATIONS

Mix Ratio	2:1 by Volume
Mix Viscosity	Gel
Bond Strength PSI Min.	1,500
Gel Time (150 g mass @ 70° F)	30-40 min.
Flash Point in °F	>200
Consistency	No Sag Gel
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 (%)	1.0 (min)
Peak Exotherm °F	178
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

Physical properties are typical values and not specifications. Please see reverse side for limitations of our liability and warranty

Coverage

There are 231 cubic inches to a gallon. So you will get about 25.6 square feet per 1/16 inch of thickness. If using this as an anchor bolt, or dowel bar adhesive, you can double check you volume with the [Epoxy.com Dowel Bar and Anchor Bolt Adhesive Calculator](#).

CHEMICAL RESISTANCE

Epoxy High-Mod Gel Adhesive and Bonding Resin - Product #2006 is excellent against distilled water, most inorganic acids and alkalies and moderate against alcohols or aromatic solvents.

BONDING IRREGULAR SURFACES

Use the gel to bond two irregular surfaces together.

VERTICAL AND OVERHEAD REPAIRS

For small cracks and shallow repairs, use the gel; for larger repairs use conjunction with silica. Trowel mixture into repair area.

BLOG POSTS & NEWS

You can find more information on [Epoxy Gel 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:

Epoxy.com

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