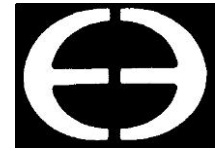


17-17

E-BOND 17-17 LOW EXOTHERM EPOXY



FORMULATED AND LABELED FOR PROFESSIONAL USE ONLY
NOT FOR SALE TO OR USE BY THE GENERAL PUBLIC

PRODUCT DATA

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E-BOND 17-17 POURABLE EPOXY CONFORMS TO ASTM C-881, AASHTO M-235-91
TYPE I & II, GRADE 2, CLASS B & C

DESCRIPTION

E-BOND 17-17 is a 100% Solids, solvent-free, MOISTURE INSENSITIVE, Pourable Epoxy Resin System. Designed for use for both warm and cold (substrate temperatures) weather applications.

This product has Two Uses:

- 1.) An adhesive and sealant for placement of the diaphragm and super stop in pre-formed slots in concrete.
- 2.) An adhesive and sealant for setting the diaphragm in the Super Stop

FEATURES:

- Easy mix ratio of 1 Parts A to 1 Part B by Volume
- Long Pot Life even at high ambient temperatures
- Insensitive to moisture before, during and after cure
- Cures in cold temperatures (substrate 38°F. [3.3°C] and rising)
- Zero VOC - Fully Reactive, No low boiling constituents

PHYSICAL PROPERTIES

Material & curing conditions@ 75°F and 50% RH

Type:	100% Solids, Pourable Epoxy Adhesive	
Color:	Part A Resin	Clear
	Part B Hardener	Red Brown
	Admix	Red Brown
Mixing Ratio:	Component A/B	1:1 by volume
Viscosity:	ASTM-D-2393 cps (Pas)	
	Part A Resin	110 -140 poises max. (11-14 Pa.S)
	Part B Hardener	20 - 40 poises max. (2-4 Pa.S)
	Ad Mix	80-100 poises max. (8-10 Pa.S)
Pot Life:	ASTM C 881 Modified	Approx.150 minutes @ 75°F (24°C)
Bond Strength:	ASTM-C-881 14 Days	1800 PSI. (12.41 Mpa) min.
Tensile Strength:	ASTM D-638	5800 PSI (40 MPa) min.
Compressive Yield:	ASTM-C-579 7 Days	8500 PSI. (58.6 Mpa) min.
Flexural Strength:	ASTM-D-790 14 Days	45000 PSI (310.3 MPa) min
Linear Coefficient of Shrinkage on cure - Max.	ASTM D-2566	.004 cm.
Water Absorption	ASTM-D-570 24 hours	12%
Peak Exotherm		185°F (85°C)
Shelf Life:	1 year in original unopened container	
Packaging:	2 gallon kit, approximately .26 ft ³ per kit (.0074 m ³)	
Storage:	Store Dry at 40°F (4.4°C)-95°F(35°C) . Condition to 65°F (18°C) -75°F(24°C) before using. Protect from inclement weather and freezing.	

For Best Performance

- Precondition the components to 70°F (23°C) to 80°F (27°C) for 24 hours before use.
- Minimum ambient, surface, aggregate and epoxy temperatures should be 50°F (10°C) and rising at the time of application.
- Store at 55°F to 90°F (15°C to 32°C).
- Protect from freezing.
- Do not add solvents or water to epoxy material.
- Do not alter or change the recommended proportions when blending the



E-BOND EPOXIES, INC.
501 NE 33 STREET
PO BOX 23069
FT. LAUDERDALE, FL 33307
TOLL FREE : (877) 265-0011
PHONE: (954) 566-6555
FAX: (954) 566-6663
E-MAIL: info@ebondepoxies.com
www.ebondepoxies.com

V.042015

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SURFACE PREPARATION:

All surfaces must be clean and free of dirt, dust, oil, grease or any contaminant that would adversely affect the bond. Prior to applying the E-Bond 17-17 the surfaces must be dryer than damp-dry.

Prepare the surface by Sandblasting with “Black Beauty” (or 20/30 if black beauty is not available).

- **Steel** obtain a 4 mil to (0.1mm) minimum anchor profile.
- **Concrete** expose coarse aggregate.
- **Super Stop** obtain a coarse roughen surface (refer to tank instruction manual for any additional preparation requirements)

Immediately after preparation blow dry to remove all dirt, dust and debris. Dirt or dust after surface preparation can affect the bond. Rubbing your hand over substrates will indicate if dust powder is present

TEMPERATURES substrate and product

E-Bond 17-17 will cure at temperatures as low 38°F (3.3°C) providing the substrate temperature of 38°F.(3.3° C) be rising during the next 24 hours.

For proper mating, flow, and proper penetration of substrate, product temperatures must be 70°F (21.1°C) or higher before mixing and blending.

Products that are stored below this temperature range, must be preconditioned to this temperature and higher for AT LEAST 24 HOURS BEFORE USE.

The temperature of the product, however, is of critical consideration. This product is extremely heavy viscosity at 77°F. (25°C.) A 10°F. (5.6°C) drop raises the viscosity by almost double.

MIXING:

The performance of this product depends on thorough and complete blending.

Use mixing containers that have a flat wall and a flat bottom. Place in a clean container, 1 part by volume of Component A (Resin) and then add 1 part of Component B (Hardener). Mix at 75°F (23.9°C) with slow speed drill and a jiffy/mixing paddle for 5 or 6 minutes at a maximum 600 rpm. Keep the mixing paddle below the surface level of the mix to minimize the incorporation of air in the mix.

Carefully scrape the sides and bottom of container while mixing to ensure all resin/hardener is thoroughly blended.

Mix only the quantity that can be used within the working time.

APPLICATION:

If the condition of surface preparation falls below the standard required by the Instruction Manual “For Handling an Application of Epoxies”, stop and re-prepare the surface to the standard.

Place the mixed E-Bond 17-17 in accordance with instructions from your tank instruction Manual.

E-Bond 17-17 has a long working time when mixed in 2 gal quantities. In cool weather, this long working time translates into slow strength development. Applications made with a substrate temperature of 38°- 60°F should remain protected for at least 48 hours after application.

CAUTION –

Read warnings on product package and refer to Safety Data Sheet (SDS) prior to use.

For professional use only; not for sale to or use by the general public. E-Bond’s epoxies contain alkaline amines. Strong sensitizer; MAY CAUSE SKIN SENSITIZATION or allergic response ranging from a mild wheezing to a severe asthmatic type attack. Avoid contact with skin or eyes. IN CASE OF CONTACT immediately wash skin with soap and water. Flush eyes with water and obtain medical attention. Wear protective clothing, goggles, and barrier cream on all exposed skin.

LIMITED WARRANTY NOTICE: E-BOND EPOXIES, INC warrants this product to be free from manufacturing defects and to meet the technical properties on the current Technical Data Guide, if used as directed within shelf life. Satisfactory results depend not only on quality products but also upon many factors beyond our control. The purchaser must examine the product when received and promptly notify E-BOND EPOXIES, INC in writing of any nonconformity before the product is used and no later than 30 days after such non-conformity is first discovered. If E-BOND, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty.

The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

E-BOND shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if E-BOND could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.