



Epoxy.com Product #18

100% Solids General Purpose Epoxy

GENERAL DESCRIPTION

Epoxy.com Product #18 is a hard set epoxy compound formulated for general use. Product #18 cures at room temperature and is a low viscosity system. This durable, resilient material requires no post curing to achieve permanent bond strength. Mixing ratio of 1 to 1 makes this product easy to use. Product #18 solves many difficult bonding, and epoxy mortar problems. Product has the ability to bond to a variety of substrates including cannot dry and hard to dry surfaces.

ADVANTAGES

Moisture insensitive
Built in resilience
Versatile
Slower setting
High Early Strength

MAJOR USES

Repairs as a general adhesive thin encapsulate, matrix for epoxy mortar, and pottings for protecting alloys and numerous other substrates.

SURFACE PREPARATION

Surface must be clean and sound. Remove all dirt, laitance, grease curing compounds and other foreign matter by sandblasting, mechanical abrasion, or acid etching. Remove water and dust from all surfaces with an oil-free blast immediately prior to application.

MIXING INSTRUCTIONS

Temperature of Epoxy.com Product #18 must be 50 degrees F or above at time of mixing. Stir each component separately before blending. Mix one part by volume of Part A with one part by volume of Part B for three minutes with a low speed electric drill motor equipped with a mixing paddle.

LIMITATIONS

New concrete should be at least 28 days old. Temperature of substrate must be above 50 degrees F. DO NOT thin.

SAFETY PRECAUTIONS

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

CLEANING

All tools and equipment should be cleaned before the system gels. Use MEK, Acetone, or any lacquer solvent.

TYPICAL APPLICATION PROPERTIES @77 DEGREES F	
Mix Ratio	1:1 By Volume
Viscosity (mixed) (ASTM D-2393)	12,000 - 16,000 cps
Pot Life (ASTM C-881)	180 minutes
Initial Cure	24 Hours (80% ultimate strength)
Final Cure	7 Days
Packaging (unit size)	1 gal., 5 gal., drums
Standard Colors	Clear

TYPICAL TENSILE PROPERTIES	
Concrete Bond Strength (ASTM C-882)	2350 p.s.i
Tensile Strength (ASTM D-695)	7200 p.s.i
Elongation (ASTM D-695)	1 0%-1 5%
Absorption (ASTM D-570)	0.5 %
Compressive Strength (ASTM D-695)	12,000 P.S.I
Shrinkage (ASTM D-2566)	0.001 inch per inch

FOR INDUSTRIAL USE ONLY KEEP AWAY FROM CHILDREN

For more information please contact:

Epoxy.com
352-489-1666 (Phone)
352-465-3497 (Fax)
info@epoxy.com
www.epoxy.com

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