

Technical Data Sheet

Product description

Blue/White Epoxy Strip is a hand-mixable, fast-curing, epoxy adhesive-sealant in two-part, concentric tape form that enables strong, permanent repairs to metals, wood, glass, concrete, ceramics and numerous plastics. Any length contains the proper ratio of base to curing agent. When kneaded together to a uniform color, mixing is complete.

Blue/White Epoxy Strip has a 5-minute work life and sets hard in 10 minutes, forming an industrial-strength polymer compound for repairs around the house or workshop.

Basic uses

Blue/White Epoxy Strip can be used to secure both vertical and horizontal anchors into masonry, and is useful for temporarily plugging active leaks in drums, oil and water tanks. In the workshop use Blue/White Epoxy Strip to restore torn sheet metal, mold missing parts, fill roughweld seams prior to painting, form drilling jigs for odd-shaped work pieces, and to attach machine tags.

Around the house use Blue/White Epoxy Strip to repair outside railings and door molding; seal leaks in PVC and ABS pipe; form insulated handles for barbecue tools; plug seams and mend holes in aluminum gutters, ductwork, buckets and lawn mower frames.

Blue/White Epoxy Strip cures underwater. Use it to seal rowboat seams and make emergency boat deck and hull repairs.

Benefits

- No measuring or mixing tools needed.
- No mess to clean up.
- Solvent-resistant.
- No shrinkage.
- Solvent- and VOC-free.
- Withstands temperature extremes.

Application limitations

- Does not adhere to polyethylene, polypropylene or PTFE.
- Not for structural applications.

Cured color

Base color is fading blue; curing agent is white; cured color is off-white.

Shelf life: One year from date of shipment when stored in unopened container at 68°F (20°C).

How to use

Surface preparation: To achieve optimum adhesion, surfaces should be cleaned free of grease or dirt. Scuffing or sanding the surface prior to cleaning helps ensure a good bond. For anchoring applications care should be taken to remove all loose debris from the drilled hole using a suitable blower or vacuum before applying Blue/White Epoxy Strip.

Mixing: Before handling or mixing Blue/White Epoxy Strip place impermeable gloves on hands. Twist or cut off required amount, then mix by kneading, twisting and folding with gloved fingers to a uniform color. The blue color in the base will fade during mixing, and the final mixed color will be white.

If mixing is difficult, warm Blue/White Epoxy Strip to room temperature or slightly above. Apply to the surface to be repaired within 2 minutes of mixing. Force into any cracks or holes to be filled. Shape repair and strike off excess material before hardening begins, preferably with a tool moistened with clean water. For smooth appearance of the cured compound, hand rub with water or a damp cloth prior to hardening. When applying to a damp, wet or slowly leaking area, work the material forcefully into the surface and apply pressure until adhesion begins to take effect.

After 20 to 30 minutes Blue/White Epoxy Strip will begin to form a tenacious bond. After 1 hour the repair can be painted, filed, sanded, sawed, drilled and tapped. For anchoring applications, mix the product thoroughly before inserting into the pre-cleaned hole. When filling holes, start from the back; be careful not to leave any air pockets or voids while filling. Use the mixed product within two minutes and immediately insert the bolt into the filled hole. Making a small-diameter pilot hole with an implement makes screw insertion easier.

Technical Data

Performance Data*		
Properties	Results	Test Method
Uncured Properties		
Consistency	Putty	
Non-volatile content	100%	
Density	1.65 g/cm ³ (13.7 lb/gal)	
Work life at 75°F (24°C)	5 minutes	
Green strength vertical shear, 1" x 1" x 1/16"	1.25 psi	
Cure time to Shore A Hardness 30	15 minutes	
Cure time to functional cure	1 hour	
Cured Mechanical Properties		
Hardness, 7 days, Shore D	85	ASTM D2240
Tensile strength	3,000 psi	ASTM D638
Lap shear tensile strength	1,000 psi	ASTM D1002
Shrinkage	<1%	
Upper temperature limits		
Continuous	250°F (121°C)	
Intermittent	300°F (149°C)	
Chemical resistance	Resistant to hydrocarbons, ketones, alcohols, esters, halocarbons, aqueous salt solutions, and dilute acids and bases.	
*Typical properties are for information only, not for purposes of specification. The data above represents product performance in ideal laboratory conditions. Individual users' experience may vary depending on application conditions.		

Health precautions

- Contains Epoxy and Amine Resins. Epoxies are skin/eye irritants and known sensitizers. Direct product contact may cause an allergic reaction in some individuals. Avoid skin/eye contact. Wear impermeable gloves when mixing or handling uncured product.
- Inhalation of dust may be harmful. Avoid inhalation of dust. Wear dust mask and protective eyewear when sanding cured product.
- Ingestion of product may be harmful. Avoid ingestion.
- Turn off power when doing electrical repairs.
- **KEEP OUT OF THE REACH OF CHILDREN.**

For additional health and safety information, consult a Material Safety Data Sheet.

NON-WARRANTY: ALL RECOMMENDATIONS, STATEMENTS AND TECHNICAL DATA CONTAINED HEREIN ARE BASED ON TESTS WE BELIEVE TO BE RELIABLE AND CORRECT, BUT ACCURACY AND COMPLETENESS OF SAID TESTS ARE NOT GUARANTEED AND ARE NOT TO BE CONSTRUED AS A WARRANTY, EITHER EXPRESS OR IMPLIED. USER SHALL RELY ON HIS OWN INFORMATION AND TESTS TO DETERMINE SUITABILITY OF THE PRODUCT FOR THE INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY RESULTING FROM THIS USE OF THE PRODUCT. MANUFACTURER'S SOLE RESPONSIBILITY SHALL BE TO REPLACE THAT PORTION OF THE PRODUCT OF THE MANUFACTURER THAT PROVES TO BE DEFECTIVE. MANUFACTURER SHALL NOT BE LIABLE TO THE BUYER OR ANY THIRD PARTY FOR INJURY, LOSS OR DAMAGE DIRECTLY OR INDIRECTLY RESULTING FROM USE OF, OR INABILITY TO USE, THE PRODUCT. RECOMMENDATIONS OR STATEMENTS OTHER THAN THOSE CONTAINED IN A WRITTEN AGREEMENT SIGNED BY AN OFFICER OF THE MANUFACTURER SHALL NOT BE BINDING UPON THE MANUFACTURER.