



PRODUCT TECHNICAL DATA SHEET

5/20 UW Epoxy Stick™

Leak Control Putty; 20-minute pot life / 45-minute hard-cure, cures underwater

Main description --- 5/20 UW Epoxy Stick™ is a 2-component, epoxy-based material furnished in sticks with the Parts A and B co-axially extruded together so that a portion of the stick can be cut off, kneaded together, yielding the proper mix ratio without measurement or special containers. This special formula is designed for underwater use and is set up for rapid cure and exceptional adhesion to carbon steel surfaces, even if the surfaces are damp. Upon final curing, the material can be sanded, drilled, tapped, or machined. Cured product is resistant to most hydrocarbons, ketones, alcohols, esters, halocarbons, fresh & salt water, dilute acids & bases.

ATTENTION: All of the following data are based on laboratory conditions, at room temperature. Field conditions can radically change the characteristics of this product. Field testing is strongly recommended prior to application.

Work Life:	20-30 min. at 25°C (77°F)	MIX RATIO:	as furnished
Application Temps:	4-52°C (40-125°F)	SERVICE TEMPS:	-40 - 121°C (-40 - 250°F)
Cure Time:	45 min. at 25°C (77°F)	USAGES TO AVOID:	high vibration or thermal swinging surfaces
Best Usages:	temporary leak sealing	Approx. Cook Off:	0%
Usual Packaging:	3/4"Ø x 7"	Shelf Life:	1 year
Compressive Strength:	12,000 psi - ASTM D-695	Adhesive Lap Shear:	800-1000 psi - ASTM D-1002
Electrical Resistance:	30,000 megohms - ASTM D-257	Hardness:	65-75 Shore D - ASTM D-2240
Dielectric Strength:	300 volts/mil - ASTM D-149	Shrinkage:	<1 % - ASTM D-2566

CAUTION - Some persons may be irritated by this compound. Use caution and PPE. See MSDS.

Application

Prior to application, clean and abrade the surface to which the putty will be applied. Use latex gloves to avoid contact with oily skin. Always use proper safety equipment.

1. Cut off required amount
2. Remove the protective plastic
3. Mix the two components with your fingers until the color is uniform
4. Apply the material to the repair surface, working it into any crack or defect
5. Smooth with your fingers or the palm of your hand. If necessary, dampen your glove to aide in finishing the surface.
6. Continue working with the material until it begins to cure (20-30 minutes)
7. When fully cured (45 minutes), the material can be sanded or trimmed.

ABSTRACT OF WARRANTY: There is no warranty, express or implied, with respect to this product or any of its properties or applications. All of the data printed on this Technical Data Sheet is approximate and may not apply to your situation. Air Logistics liability with respect to the use and or application of this product is strictly limited to the replacement costs of any product shown to be defective by laboratory testing. See our full Terms and Conditions for the actual warranty and terms of sale.

ATTENTION: No representation is made as to the accuracy or correctness of the information contained herein, other than to state that it is presented by this organization in good faith and we believe it to be correct and accurate per the limits of our understanding and training as of the date of first publication. The user or handler of this product is warned to take the most conservative and safest interpretation possible of all information contained herein and to use the most extreme personal protection measures and exposure limitations prudently dictated by the specific usage or handling situation, this product's MSDS information and good industrial safety and hygiene practices.

