



## 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.

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

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