

PRODUCT

PIONEER MARINE EPOXY

SUPPLIER

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PRODUCT DESCRIPTION

PIONEER MARINE EPOXY is a 100 % solids thermosetting plastic compound that forms strong bonds on a wide variety of rigid materials; e.g. glass, metals, ceramics, concrete, wood and some plastics (except polyethylene, soft PVC and teflon. It is used as boat filler for hair line gaps. As a putting compound and as an adhesive

TYPICAL USES. PIONEER MARINE EPOXY serves as a Marine Adhesive.

1. Adhesive for boat building
2. Gap sealer for wood imperfections and joints.
3. Repairing or restorations of wooden boat.
4. As putty (masilya) for wooden boat.

TECHNICAL DATA

Table 1. PHYSICAL PROPERTIES : UNCURED STATE

	Color Part A	Gray
	Part B	cream
	Viscosity/Consistency	soft paste
	Solids Content	100 %
	Mixing Ratio	1:1 by volume
*A	Pot Life	Approximately 40 minutes
	Shelf Life	2 years



ADHESIVES & SEALANTS

SPEC DATA SHEET & Application Instruction

- *A Pot Life was determined by using a quart mixture as basis.
Pot life is longer during cold weather or when mixing small quantities or when mixing is
- *C Cure time can be accelerated by application of heat, 65 o - 80 °C; this would develop
an early full strength.

TABLE 2. PHYSICAL PROPERTIES : CURED STATE

Tensile Strength	2,590 psi
Tensile/Shear Strength	2,020 psi
Compressive Strength	11,495 psi
Hardness (Shore D)	90 - 100
Heat resistance	70 °C
Shrinkage	nil
Weathering Resistance	excellent
Chemical Resistance	highly resistant to water, dilute acids and alkalies, organic solvents and other chemicals

APPLICATION PARAMETERS

Surface Preparation. Surface contaminants such as dirt, grease, oil or wax must be removed from areas to be joined. Clean surfaces by sanding, sandblasting or blushing for stronger bonds. Surfaces should be clean and ready for application before the adhesive is mixed.

Mixing. Mix equal parts by volume of Part A and Part B. Blend thoroughly until color streaks disappear and a uniform color is obtained. To avoid loss of application time and wastage, mixing would be accomplished within 5 minutes and prepare a mixture quantity just enough to be consumed within the pot-life period.



ADHESIVES & SEALANTS

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Method. Apply mixed compound with a putty knife or spatula on one or both faces of glue joints. Join surfaces with sufficient pressure to ensure complete contact and allow to cure of harden. Unnecessary handling should be avoided until cure is complete.

Cleaning. Clean all tools or equipment used while adhesive is still in its uncured state. Use acetone, toluene, methyl ethyl ketone or kerosene to clean tools and spills.

Health Precautions. If skin contact occurs wash with soap and water and if skin irritation persists, obtain medical attention. If material contacts the eyes, flush thoroughly with water and get medical attention immediately.

PACKAGING

TIN CANS

Gallon, Quart, Pint, ½ Pint and ¼ Pint Kits