PRODUCT

PIONEER REGULAR EPOXY

Multi-Purpose Adhesive

SUPPLIER

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PRODUCT DESCRIPTION

PIONEER REGULAR 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.

TYPICAL USES. PIONEER REGULAR EPOXY serves as a multi purpose adhesive.

1. Installing ceramics or glass tiles to wooden or concrete surfaces.
2. Adhesive for metal nameplates in automotive and appliances industry.
3. Repairing or joining marble blocks to itself, wood or concrete.
4. Repairing broken dentures
5. Bonding decorative and metal hardwares to wood, metal and/or concrete.
6. Repairing broken or worn-out furnitures, toys, sporting goods, china wares, metal or concrete tanks, etc.

TECHNICAL DATA

Table 1. **PHYSICAL PROPERTIES : UNCURED STATE**

***A**	Color Part A	reddish
	Part B	cream
	Viscosity/Consistency	soft paste
	Solids Content	100
	Mixing Ratio	1:1 by volume
*B	Pot Life	Approximately 40 minutes
*C	Cure Time, Initial Strength	6 - 8 hours
*C	Full Cure, Maximum Strength	96 hours

*C	Shelf Life	Very Stable

*A For applications requiring white or clear finishes, Pioneer White and Pioneer Clear finishes, Pioneer White and Pioneer Clear is available to suit your requirements.

*B 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 done in containers where heat of reaction can be dissipated.

*C Cure time can be accelerated by application of heat, 65 o – 80 ºC; this would develop an early full strength.

TABLE 2. PHYSICAL PROPERTIES : CURED STATE

Tensile Strength	2,590 psi
Tenshile /Shear Strength	2,020 psi
Compressive Stregth	11,495 psi
Hardness (Shore D)	90-100
Heat Resistance	70 ºC
Shrinkage	nil
Weatherinf Resistance	excellent
Chemical Resistance	highly resistant to water,dilute Acids and alkalies,organic Solvents and other chemicals

Note: Above performances were tested on steel plates.

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 Brushing 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 streakes disaapear 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 potlife period.