

JALASANJ Co Ltd

TECHNICAL DATA SHEET TDS

MILPOX®

TWO COMPONENTS FAST EPOXY PASTE

Properties

- . High Shear and peel strength
- . Fast Cure – Fast Set
- . Tough and resilient
- . Good resistance to dynamic loading
- . Bonds a wide variety of materials in common use

Applications

MILPOX is a multipurpose, two components, room temperature curing, Epoxy Based paste adhesive system with balanced properties for the common application.

It is suitable for bonding a wide variety of metals, ceramics, glass, rubber, rigid plastics and most other materials in common use. It is a versatile adhesive for the craftsman as well as most industrial applications such as Part creating, Repairing, Molding, Balancing, Modeling, Sealing and...

Product Data

	(RESIN)PART A	(HARDENER) PART B	AFTER MIXED
Color (Visual)	Pale yellow	White	Light Cream
Specific gravity	2.1 gr/cm ³	2.3 gr/cm ³	2.2 gr/cm ³
Shelf Life (25°C)	> 12 Months	> 12 Months	Unlimited

Pretreatment

The strength and durability of a bonded joint are dependent on proper treatment of the surfaces to be bonded. At the very least, joint surfaces should be cleaned with a good degreasing agent such as acetone, trichloroethylene or proprietary degreasing agent in order to remove all traces of oil, grease and dirt. Alcohol, gasoline (petrol) or paint thinners should never be used. The strongest and most durable joints are obtained by either mechanically abrading or chemically etching ("pickling") the degreased surfaces. Abrading should be followed by a second degreasing treatment.

Mix Ratio	Parts by weight	Parts by volume
Resin (PART A)	100	100
HARDENER (PART B)	100	100

Resin and hardener should be blended until they form a homogeneous mix.

Equipment maintenance

All tools should be cleaned with hot water and soap before adhesives residues have had time to cure. The removal of cured residues is a difficult and time-consuming operation. If solvents such as acetone are used for cleaning, operatives should take the appropriate precautions and, in addition, avoid skin and eye contact.

Gel / Cure / Hard Times

Property (1:1 Mix Ratio at 25°C)	Unit	Value
Gel Time	Minutes	10
Cure	Minutes	15
Hard Time	Hours	2

Note: Lower temperature will slow down the reaction times. Curing time can be accelerated by mild heat.



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