

# JALASANJ Co Ltd

## TECHNICAL DATA SHEET TDS

### JALAPOX® ONE COMPONENTS EPOXY ADHESIVE INDUSTRIAL HEAT CURE EPOXY ADHESIVE

#### Description

JALAPOX® One Component epoxy becoming fluid once subjected to heat. Typical cure profile is in the range of +150°C/+170°C, providing excellent adhesion to metal surfaces, aluminum, ferrites, ceramics as well as composite materials. Curing can be obtained alternatively by induction in few minutes on steel parts too. High impact, peeling and tensile adhesive properties.

#### Product Data

	Value	UNIT
Color (Visual)	ivory	---
Specific gravity	1.5	gr/cm <sup>3</sup>
Tensile Strength	> 12	N/mm <sup>2</sup>
Viscosity	50000 ~ 70000	Cps
* Cure Time @150 °C	30	Minutes
Shelf Life (25°C)	> 3	Months

\* Curing time is affected by type of substrate (heat transmission), and by gap to be filled. It will also depend on time needed by the adhesive to reach this temperature - for example, large assemblies or crowded oven will require longer reaching full cure. Alternative methods for fast curing include induction, infrared lamps and hot air guns.

#### Surface Preparation

Clean and degrease surfaces with a Cleaner Cloth before applying the adhesive.  
Some metals such as aluminum, copper and its alloys will benefit from light abrasion with emery cloth (or similar), to remove the oxide layer.

#### Directions for use

- 1- The adhesive should be dispensed from the cartridge via the nozzle supplied.
- 2- Apply the adhesive to one surface avoiding entrapping air.
- 3- Assemble parts applying enough pressure to ensure the adhesive spreads to cover the complete area to be bonded.
- 4- Place the pieces in an oven at the specified temperature.
- 5- Use a jig / clamp to prevent parts moving during polymerization.

#### Storage

Store refrigerated at temperature of +2°C/+7°C.  
To avoid contaminations do not refill containers with used product.



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