

# TECHNICAL DATA SHEET

PRODUCT:"BULLDOG TITE" EPOXY ADHESIVE.

FAST & CLEAR



## PRODUCT DESCRIPTION

"BULLDOG TITE "-Fast & Clear , is a two component Epoxy adhesive which gives very strong bonds with most materials such as rubber,plastics,metals,ceramics ,wood, concrete etc. which are commonly used in industries, construction, auto, etc. Its sets in 5 minutes at room temperature and achieves full strength after 2 hours. However, at higher temperatures of 50-60 C it gives faster cures and very good bond strength.

## COMPOSITION

It consist of an Epoxy Resin with suitable curing agent i.e Hardner.

## APPLICATION AREAS

Very useful whenever fast and very strong bonding is required, especially for glass and decorative items, as the adhesive will not be seen, as it is clear.

## DIRECTIONS FOR USE

Clean & roughen both surfaces. Mix equal quantities of Resin & Hardner. Mix only as much as required (pot life 2 minutes). Apply a thin layer to both surfaces and clamp them together till epoxy sets. (Setting time 5 minutes) Full cure & strength is reached after 2 hour.

## CLEANUP

Clean up with Acetone and Toulene.

## DISCLAIMER

The information contained herein is given in good faith , based on our tests & knowldege of the product; as a guide . The responsibility is of the user to verify its usability for any application. The company ,The Standard Products Mfg. Co. Mumbai , disclaims all warranties expressed or implied and takes no responsibilities for any loss or damage arising from the use of its products.

For further information please contact:

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## PROPERTIES OF COMPONENTS

### (BEFORE MIXING)

Appearance - Resin : Clear liquid  
- Hardner : Clear liquid

Viscosity - Resin : 10,000-13,000 mPas  
(at 25 C) -Hardner : 8,000-12,000 mPas

Density -Resin : 1.15-1.18 g/ml  
-Hardner : 1.13-1.16 g/ml

## MIX PROPERTIES

Mixing ratio Resin to Hardener

By Weight : 100 : 100  
By Volume : 100 : 100

Mix viscosity at 25 C : 10,000-12,000

Pot life : 3 Min.

Setting time : 5min

Curing Schedule : 2 hours at 25 C  
(Full Strength) 45 min at 50 C

## PROPERTIES AFTER CURE

Lap shear strength at 25°C : Min. 100 MPa

Modulus of elasticity E :  $5 \times 10^6$

WorkingTemperature : - 60°C to 60°C

## SAFETY INSTRUCTION

- 1.Keep away from children.
- 2.Avoid excessive contact with body. Clean with plenty of water in case of eye contact.
- 3.Cannot be ingested. Lethal if ingested.
- 4.Do not induce vomiting,in case of ingestion. Consult a physician immediately.
- 5.Do not inhale or use in closed spaces.