

# TECHNICAL DATA SHEET

PRODUCT: "BULLDOG TITE" EPOXY ADHESIVE.

RAPID



## PRODUCT DESCRIPTION

"BULLDOG TITE"-RAPID, is two a component Epoxy adhesive which gives very strong bonds with most materials such as rubber,plastics,metals,ceramics ,woods ,concrete etc. which are commonly used in Automotive, in Industries and Construction . Its cures in 10 mintutes at room temperature and achives full strength after 3 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 where fast and strong bonding is required , such as in Automotive applications , assembly line work , in industries and in households.Also very useful for sticking of metal labels ,rubber trims etc.

## DIRECTIONS FOR USE

Clean & roughen both surfaces.Mix equal quantities of Resin & Hardner.

Mix only as much as required(pot life 5 minutes).Apply thin layer to both surfaces and clamped them together till epoxy sets.

(Setting time 10 minutes). Full cure & Full strength is reached after 3 hours.

## 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.

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## PROPERTIES OF COMPONENTS

### (BEFORE MIXING)

Appearance	- Resin :	Clear liquid
	- Hardner:	Clear brownish liquid
Viscosity at 25°	- Resin :	10,000-13,000 mPas
	-Hardner :	60,000- 1,00,000 mPas
Density	-Resin :	1.14 - 1.18 g/ml
	-Hardner:	1.04 -1.08 g/ml

## MIX PROPERTIES

Mixing ratio Resin to Hardener

By Weight	:	100 : 90
By Volume	:	100 : 100

Mix viscosity at 25 C : 30,000-40,000 |

Pot life : 5 min |

Setting time : 10 min |

Curing Schedule : 3 hours at 25 C ( Full Strength) 90 min at 50 C |

## PROPERTIES AFTER CURE

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

Modulus of elasticity E : 6× 10<sup>6</sup> |

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 vomitting,in case of ingestion. Consult a physician immediately.
- 5.Do not inhale or use in closed spaces.