



# URJA SEALANTS PVT. LTD

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## Technical Data Sheet

### NEO SEAL EPOXY ADHESIVE

#### Mixing proportion:-

Epoxy adhesive NEO SEAL is two part system consisting of NEO SEAL RESIN and NEO SEAL HARDNER part. Epoxy adhesive neo seal is versatile two component adhesive system for high bond strength applications.

#### CHARACTERISTICS:-

The system is characterized by

- \* Excellent adhesion to all materials.
- \* Cured mass tough and elastic with high resistance to impact stress.
- \* High adhesive, tensile and share strength.
- \* Thixotropic flow characteristics, useful for vertical surface.
- \* Excellent electrical insulating properties.

#### TYPICAL PROPERTIES:-

PROPERTIES	UNITS	NEO SEAL (RESIN)	NEO SEAL (HARDNER)
Type	--	Epoxy resin	Polyamide hardener
Color	--	Hazy viscous	Brownish yellow
Density@27°C	gm/cc	1.1-1.2	0.9-1.0
Viscosity by BF at 27°C	mPa.s	40000-60000	45000-55000
Amine value	Mg/KOH/gm	--	300-400
Epoxy Equivalent	Gm/equivalent	200-400	--



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## **APPLICATION:-**

Mixing Ratio : NEO SEAL( RESIN) : 100 p.b.w

NEO SEAL (HARDNER) : 80 p.b.w

Gel Time at 25°C : 75 minutes

Recommended curing schedule :

At 27 °C - 24 hrs

At 100°C - 15 - 25 minute

Easy Seal sealing system is characterized by –

Excellent adhesion to almost all materials like metals, wood, construction gap, glass, ceramic and most plastic.

## **PROPERTIES OF CURE COMPOUND:-**

CURED FOR 16 hrs AT R T + 4 hrs AT 80°C

Tensile strength -14 – 15 N / mm<sup>2</sup>

Hardness Shore D 75 – 78

## **INSTRUCTION TO USE:-**

For better adhesion it is essential to clean the surface thoroughly.

- Remove rust, dirt or loose particles.
- Degrease surface by TCE or CTC solvent.
- Dry the surface before application.

## **FIELD OF APPLICATION:-**

- Bonding of Magnetics, Ferrites.
- Fixing of break liners.
- Joining wooden and metal patterns.



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