

# POLY EPOXY GEL

## EPOXY ADHESIVE

### DESCRIPTION

**Poly Epoxy Gel** is a high performance two part epoxy adhesive.

- Superior mechanical strength
- Thermal resistant
- Seal concrete cracks
- Water resistance
- Gaps filling and excellent bonding strength to wood, concrete, fibreglass, glass, ceramic, marble, metal, many plastics and other surfaces.
- New concept for maintenance for industrial & household application
- Extensively used in marine-timber and fibre boat manufacturing & maintenance.
- Special formulate for Wood working and Construction industries.

### TECHNICAL DATA

Part A	Epoxy Binder (white colour)
Part B	Hardener (amber colour)
Viscosity	Paste
Mix Ratio A:B (By Volume)	2 : 1
Pot Life (TECAM) 250gm @ 20°C	30 minutes
Cure Time @ 20 - 25°C	24 hours
Specific Gravity	1.1 – 1.2 g/cm <sup>3</sup>

### PHYSICAL PROPERTIES

#### TENSILE SHEAR STRENGTH (DIN 53283)

Material	Hardening	Test Temperature	N/mm <sup>2</sup>
Steel	4 hours	20°C	12
Steel	8 hours	20°C	26
Steel	24 hours	20°C	32

#### PEEL STRENGTH (DIN 53282)

Material	Hardening	Test Temperature	N/mm <sup>2</sup>
Steel, Pickled	24 hours	20°C	6-10

### SURFACE PREPARATION

All surfaces should be dried, cleaned and free from all contaminants.

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### APPLICATION GUIDELINES

Mix thoroughly until even colour and homogenous mixture is achieved

Tools : Spatula, Putty Knife or Trowel, Brush, Roller & Cartridge Dispensing System are suitable

NOTE : **DO NOT mix more than 500gm** at a time as the pot life will be shortened, caused by generation of Exothermal.

To speed up the curing time, heat up the assembly after application.

### Cleaning

Clean all equipment immediately after used

### Thinner

**Do not add thinner or water to the mixture.**

### PACKING

METAL Can : 1 kg/ set

### STORAGE

6 months when stored in a well-sealed container.

### HEALTH & SAFETY

**Poly Epoxy Gel** contains epoxy resins. Handle with care & use disposable rubber gloves during works. Wash hands thoroughly with soap and water after use. Keep away from children. Harmful if taken internally.



**POLY-EPOXY GEL : 1kg/set**



**POLY-EPOXY GEL : Finished Product (Mixture)**

Disclaimer: -

### POLYCELL TECHNICAL DEPARTMENT

OUR COMPANY COMMITMENT – Polycell's personnel are all fully trained to provide product information, guideline, training and technical assistance. We also provide product presentation and technical specification to Architects and Engineers.

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