Termoera Super Glue 801

General information

Termoera super glues are high quality series of single component and solvent free liquids that are specially formulated for rapid bonding of mated metals, plastics, rubbers and wooden parts. The products are specifically formulated for sealing, retaining, locking and bonding of metal or metal plated assemblies.

Cyanoacrylate adhesives reach high bond strengths at room temperature without applying pressure. Curing rate can be enhanced by weak alkaline materials including trace amount of moisture on the surface of parts to be bonded. Since the adhesives have solvent-free feature, shrinkage of cured material is negligible. Also, solvent resistance is very good.

Product description

Termoera Super Glue 801 is a general purpose, very low viscosity, ultra-fast, penetrating, ethyl cyanoacrylate adhesive. It is formulated for high-strength, general-purpose bonding of most plastics, rubbers, metals, and other common substrates. Penetrates fast into even the smallest gaps.

The product is recommended for use on assemblies with very close fitting parts and smooth, even surfaces. Can be used as a post-assembly adhesive to wick into parts. Suitable for working with fillers. Does not require pressure or tools such as clamps, etc.

Main constituent	:	Ethyl cyanoacrylate
Appearance (uncured)	:	Liquid
Colour	:	Colourless / Transparent
Viscosity	:	Very low
Strength	:	High

Physical properties of uncured adhesive

Specific gravity Conditions: 22°C	:	1.04
Flash point Method: ASTM D56-05	:	83°C
Corrosivity	:	Non-corrosive
Gap filling	:	0.05 mm
Solvent content	:	0%
Viscosity Conditions: 22°C	:	4 - 5 cPs

Typical curing performance of adhesive

TDS

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Various type of curing time of adhesive on several substrates are given as follows. Note that results can differ due to distance of bond gap, temperature and relative humidity.

Conditions	:	22°C and 50% relative humidity

Clamp(handling) time

Material of specimen	Duration
Metal to metal	<10 seconds
Plastic to plastic	<5 seconds
Rubber to rubber	<3 seconds

Average full curing time: 12 to 24 hours

Typical properties of cured adhesive

Ultimate tensile strength (σ_U)	:	19.6 N/mm^2 (2844 psi)
Temperature range	:	-54°C to +82°C
Refractive index (n) Conditions: 20°C	:	1.45 (similar to glass)
Specific heat Method: ISO 11357-4	:	0.37 kJ/(kg.K)

Environmental resistance of cured adhesive

Environmental resistance of cured adhesive can be examined by referring values given table below.

Motor oils	:	Good resistance
Alcohols	:	Good resistance
Water	:	Moderate resistance
Acids and alkali	:	Moderate resistance for dilute solutions. Continued contact decrease half of strength.

Directions for use

- Remove cap and apply small amount of Termoera Super Glue 801 adhesive to one surface It is recommended to apply only 1 dab per 3 cm^2. Set time can vary based on the amount of glue and type of surface glued. Excess glue can cause delayed or failed bond.
- Press the two surfaces together for about 10–30 seconds.
- Wait 24 hours for a full cure.

Packaging

Bottles	Pieces in a carton	Pieces in a box
20gr	30	360
50gr	30	240
250gr	6	24
1kg	1	6

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Storage and shelf life

Keep product in its original container at 22°C and avoid to contact with direct sunlight. Storage below 5°C and above 25°C can negatively affect product properties.
Material removed from its original container can be contaminated during usage which affects both adhesive performance and storage life. Therefore, do not return contaminated product to the original container.

Termoera cannot take any responsibility for product which has been contaminated or stored under conditions different than previously indicated.

Shelf life: 12 months at 5°C

Health and safety

The product contains ethyl cyanoacrylate.
For further information, please consult Safety Data Sheet (SDS) before use.

Disclaimer

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