

TECHSIL EP25880 CLEAR

Techsil® EP25880 Clear is a 2-component multi-purpose epoxy adhesive product that is ideal for bonding various substrates including wood, ceramics and metals. Techsil® EP25880 Clear cures to a completely clear product.

Techsil® EP25880 is a water clear rapid curing adhesive that has been developed for use in our LED range and also for bonding carbon fibre composite parts. It offers performance characteristic comparable to most '5-minute epoxies' but, unusually, it is very clear! This cartridge dispensed 1:1 resin is easily applied.

Features:

- Rapid curing
- Easy application
- Crystal clear
- Cartridge dispensing

Applications:

- Assemblies
- Cable sealing
- Rapid potting
- Rapid adhesive

Typical Uncured Physical Properties:

Property	Base	Hardener
Viscosity	10,000	1,200
Colour	Clear	Clear
Specific Gravity	1.16	1.16
Mix ratio	1	1

Curing Performance:

Gel time	4 minutes	100g @ 23°C
Gel time	4.5 minutes	100g @ 15°C
Full cure	24 hours	100g @ 23°C
Application temperature	5 – 30	°C

Typical Cured Properties:

Property	Result	Units
Shore D Hardness	80	After 48 hours
Elongation at break	15	%
Shear Strength steel	>20	MPa
Tensile Strength Steel	>30	MPa
Tg	64	°C (Approx)
Thermal Conductivity	0.2	W/mK

Contact Details

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Solvent Resistance:

Ketones – Medium
Petrol – Excellent
Lubricating oil – Excellent
Kerosene – Poor
Water – Good

Cure Schedule:

Temperature (°C)	Time	Units
20	15	Hours
30	10	Hours
40	3	Hours
70	50	Minutes
100	10	Minutes
120	8	Minutes
150	5	Minutes

Note: The above technical information and data should be considered representative or typical only and should not be used for specification purposes.

Directions for Use:

For high strength structural bonds, paint, oxide films, oils dust and all other contaminants must be completely removed. The degree of surface preparation will ultimately determine the strength of the bond.

Surface Preparation:

Steel:

1. Wipe with solvent such as acetone or isopropanol
2. Shot blast with fine grit abrasive
3. Wipe again with solvent to remove loose particles

Wood:

1. Ensure surface is clean, dry and free of loose particles.

Plastics/Rubber:

1. Wipe with solvent such as acetone or isopropanol
2. Abrade with fine grit abrasive
3. Wipe again with solvent

Storage and Shelf Life:

Store between 5-30°C for up to 2 years.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for their particular use.

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