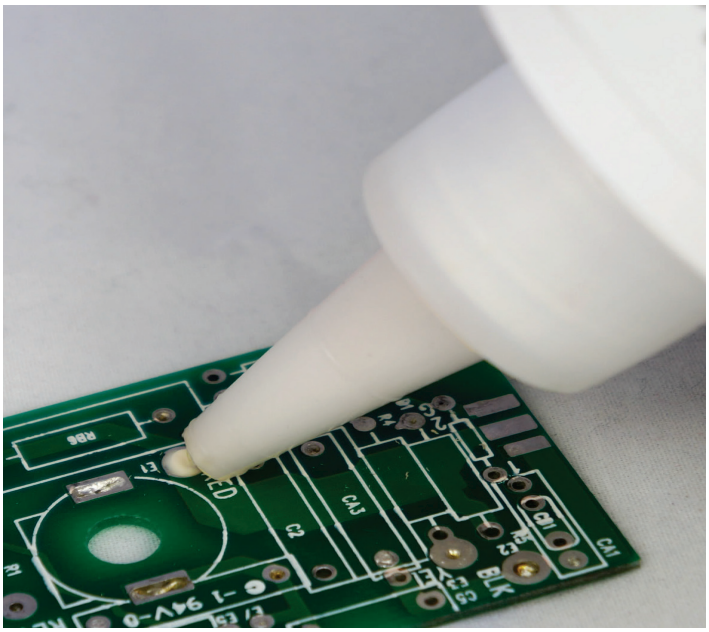
Techform TC-533 Peelable Solder Mask

Product# 53-4008-0533, 53-4003-0533, 53-4005-0533



Product Description

Techform peelable mask is a high-temperature flexible solder masking compound specially formulated of natural latex rubber. It prevents solder from flowing into contacts, terminals, screw heads and plated through holes.

Latex has been chemically enhanced so that it is heat stable enough for wave soldering processes. Effectively mask and protect the board from the time it is manufactured, through all assembly and reflow operations. Techform is also ideally suited as a conformal coating mask.

Features / Benefits

- Fast cure
- Easily peel-able
- Will not tarnish gold or phosphor bronze at room temp.
- Protects delicate components
- Nonflammable

Instructions

For best results: The substrate should be clean; free from grease, oil or particulate which could interfere with adhesion. Test the product on the substrate in the manner and conditions the mask will be used in practice. Results may vary depending on substrate, plating, cure time, cure temperature, ambient conditions and length of time left on the circuit board after application.

DO NOT FREEZE. Protect product from freezing during transit and storage. Mixing is usually not recommended. However, if mixing is required, stir gently to ensure air is not incorporated into the mask.

NOTE: May cause tarnish on ferrous and other metal surfaces at elevated temp (>60 °C). Test on ferrous metals to confirm compatibility before using. May cause discoloration on bare copper.

Mask may be applied by hand from squeeze bottle or by automation from refilled syringes. Apply 15 to 20 mils coating to desired area. Curing will occur in ambient conditions. However, cure time will depend on humidity, temperature and thickness of applied film. Cure may be accelerated with heat, up to the recommended temperature of 40°C. Don't go beyond 60°C.

Do not leave on circuit board longer than necessary to perform function.

Typical Product Data and Physical Properties

Physical state:	Liquid
Color:	Tan, off-white
Odor:	Ammoniacal
Ph:	11
Boiling point:	100ºC (212ºF)
Vapor pressure:	1.9 kPa (14 mmHg)
RoHS compliant:	yes
Shelf life:	12-months

Packaging and Availability

53-4008-0533	8 oz. Liquid	24 bottles / case
53-4003-0533	1 Gallon Liquid	
53-4005-0533	54 Gallon Liquid	

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Environmental Policy

Techspray® is committed to developing products to ensure a safer and cleaner environment. We will continue to meet and sustain the regulations of all federal, state and local government agencies.

Resources

Techspray® products are supported by a global sale, technical and customer services resources.

For additional technical information on this product or other Techspray® products in the United States, call the technical sales department at 800-858-4043, email tsales@techspray.com or visit our web site at: www.techspray.com.

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