# WonderMask PX Peelable Solder Mask
## Product# 2222

### Product Description

WonderMASK® PX is a temporary, peel-able, latex solder mask designed to dry in half the time of standard peel-able solder masks. It is hand applied and can withstand fluxing, wave soldering and cleaning operations. It effectively masks and protects open through-holes and underside components in a wave soldering process, and can be used as a conformal coatings mask.

WonderMASK PX can remain on all areas of the board until ready for test, and then, be easily peeled away. In addition, WonderMASK PX is ideally suited for situations where a thick coat of mask is required. WonderMASK PX has been specially formulated to cure homogenously, virtually eliminating any limit on the deposition thickness.

Techspray's WonderMASK is the industry-leading temporary solder mask brand because of quality and versatility. Depending on the product, mask can be peeled off manually or washed off in a batch or inline system.

WonderMASK has a number of useful applications in PCB assembly:

- Thru-hole masking – Prevent soldering open holes in a wave soldering process by covering with WonderMASK. All of the masks listed below are well suited for this application.
- Conformal coating masking – In a conformal coating dipping or spraying process, WonderMASK can be used to cover connectors and other components and areas that should not be coated.
- Temporary component adhesive – WonderMASK can be used to tack down components on double-sided PCBs.

All Techspray WonderMASK products have the following advantages:

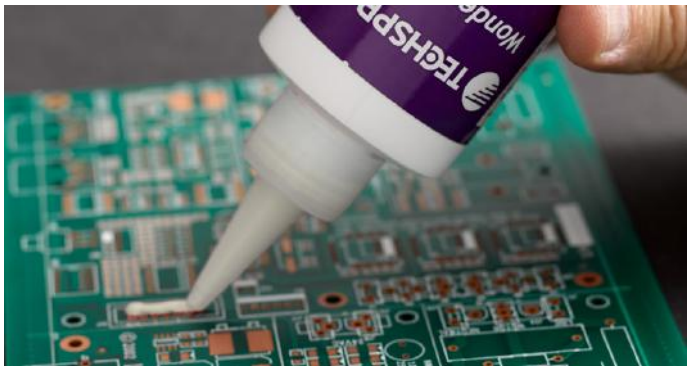
- Withstands lead-free soldering temperatures up to 640°F (343°C) in wave soldering process
- RoHS compliant

### Features / Benefits

- **Fastest full cure**
- **Ideal for situations where a thick coat of mask is required**
- **Easily peel-able**
- **Highest strength to avoid breakage**
- **Nonflammable**

### Usage Instructions

For best results, apply a 15 to 20 mil coating to desired area. The substrate should be free from grease, oil, and particulate matter. Drying times depend upon thickness and ambient humidity. **WonderMASK® PX Latex** is not recommended for use on bare copper because discoloration could occur. Use 2211, **WonderMASK® P** if application to bare copper is required. Do not freeze.



### Typical Product Data and Physical Properties

| | |
|---|---|
| Physical state: | Liquid |
| Odor: | Slight |
| Appearance: | White viscous liquid |
| pH: | 9.5 to 11.0 |
| Solubility in water: | Fully miscible |
| Density: | 1.09 to 1.17 g/mL |
| Viscosity: | 9,000 to 16,000 cps |
| Shelf life: | 6 months |

### Performance & Application Data

| | |
|---|---|
| Application | Hand applied |
| Viscosity | 9,000-16,000 cps |
| Suggested thickness | 15 mils |
| Thinner | DI water |
| Cure time | 15 min. ambient |
| Removal | Peel-able |

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### Packaging and Availability

| | |
|---|---|
| **2222-8SQ** | 8oz. Liquid |
| **2222-G** | 1 Gallon Liquid |

### 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 global sales, 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.

Important Notice to Purchaser/User: The information in this publication is based on tests that we believe are reliable. The results may vary due to differences in tests type and conditions. We recommend that each user evaluate the product to determine its suitability for the intended application. Conditions of use are outside our control and vary widely. Techspray's only obligation and your only solution is replacement of product that is shown to be defective when you receive it. In no case will Techspray® be liable for any special, incidental, or consequential damages based on breach of warranty, negligence or any other theory.

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