



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# WonderMASK® PX

Fast-Dry Peelable Solder Mask  
2222

## Introduction

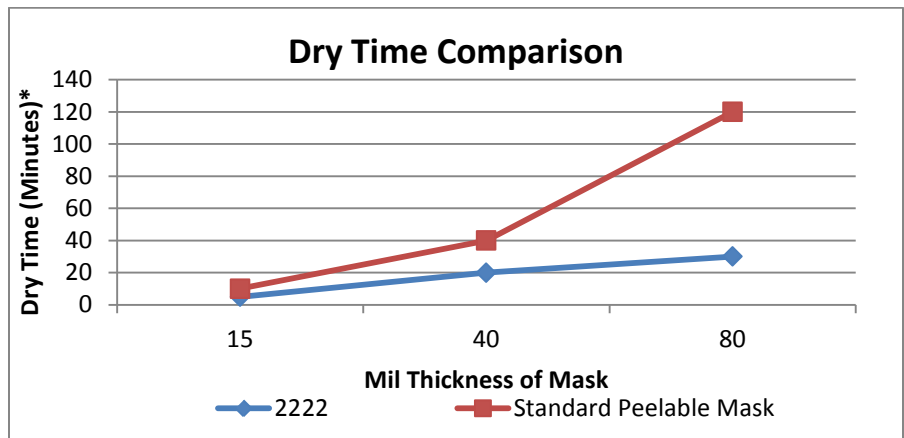
WonderMASK® PX is a temporary, peelable, latex solder mask designed to dry in half the time of standard peelable solder masks. It is hand applied and can withstand fluxing, wave soldering and cleaning operations. It effectively masks and protects open through-holes and underside components in a wave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

### Features / Benefits

- Fast Drying – dries in half the time of standard peelable masks
- Ideal for situations where a thick coat of mask is required
- Peelable Mask
- Able to withstand temperatures up to 650°F / 343°C
- Prevents solder from flowing into contacts, terminals, screw heads, and plated through holes
- Mask for conformal coating
- Will not tarnish gold or phosphor bronze
- Protects delicate components

WonderMASK PX is not recommended for use on bare copper as it contains a sufficient concentration of ammonia to cause discoloration. For use on bare copper, WonderMASK PL (part # 2211) is recommended.



\*Dry time is the time until the mask could be easily removed, in one piece, from the substrate. Beads of mask were approximately 4 inches in length.

## Directions

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- Apply mask to areas that you do not want soldered
- Allow mask to cure (cure time is dependent on thickness of mask applied and environmental conditions, e.g. temperature, humidity)
- Send board onto solder stage (solder pot, wave solder)
- Easily peel mask off board

## Chemical Properties

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For Chemical Composition, refer to MSDS.

- 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

## Chemical Components

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<u>CHEMICAL NAME</u>	<u>CAS #</u>
Titanium Dioxide.....	13463-67-7

Application	Cure Type	Cure Time	Removal	Viscosity	Suggested Thickness	Thinner
Hand	Thermal	5 min. Ambient	Peel off. Dried mask is not soluble in liquids.	9,000-16,000 cps	15 mils	D.I. Water

## Environmental Policy

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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.

## Packaging and Availability

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2222-8SQ	8oz Ounce Squeeze Bottle, 24 bottles/cs
2222-G	1 Gallon in Plastic Jug, 1 jug/cs

## Resources

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Techspray® products are supported by a 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](mailto:tsales@techspray.com) or visit our web site at: [www.techspray.com](http://www.techspray.com).

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