



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



## WonderMASK P Peelable Solder Mask

### Product# 2211

#### Product Description

WonderMASK P is a temporary, peel-able solder mask comprised of a thixotropic, synthetic acrylic latex designed to withstand fluxing, wave soldering and cleaning operations. Unlike natural latex mask, it contains no offensive ammonia and hence is non-corrosive to copper, gold, silver or pre-soldered surfaces. In addition, stability problems are averted. When applied, the product is opaque pink, and when cured, becomes completely translucent red. Cured mask can be used for masking conformal coatings. May be used in applications such as robotic, pneumatic, hand applied or template screening (not recommended for silk screening).

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:

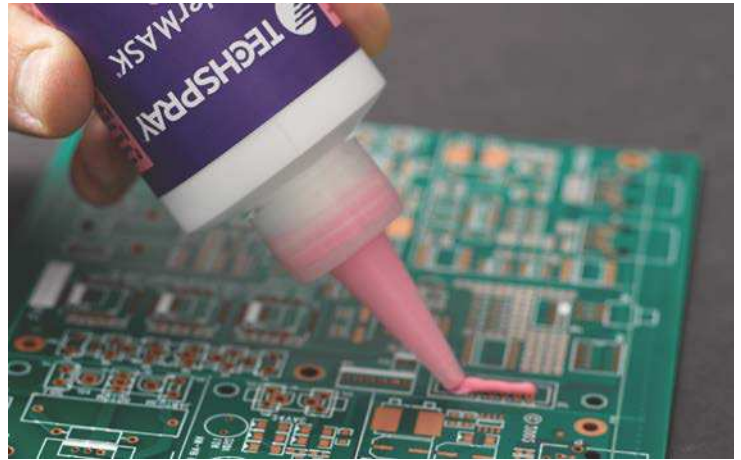
- Can be cured in pre-heat
- Withstands lead-free soldering temperatures up to 640°F (343°C) in wave soldering process
- RoHS compliant

#### Features / Benefits

- Non-ammoniated
- Nonflammable
- Easily peel-able
- Low odor
- Cure indicator - darkens as it cures
- Compatible with gold and copper leads

#### Usage Instructions

Apply a 20 to 30 mil coating for best results to desired area. The substrate should be free from flux, oil, and particulate matter. Drying times depend upon ambient humidity. Under normal conditions WonderMASK P is ready for preheating stage in 1 hour, however, cure can be accelerated to 30 minutes at 65°C/150°F or 20 minutes at 82°C/180°F. Do not over cure, as blistering of mask can occur, causing removal problems. Mask will change from an opaque pink to a translucent red when complete cure is accomplished. Mask does not have to be completely dry to withstand soldering operation; however, it should be completely translucent before removal.



#### Typical Product Data and Physical Properties

<b>Physical state:</b>	Liquid
<b>Color:</b>	Pink/red
<b>Relative density:</b>	1
<b>Shelf life:</b>	2 years

#### Chemical Composition

Chemical Name	CAS#
Acrylic Latex Polymer	27401-61-2
LECIITHIN	8029-76-3
Alkoxylated alkylphenol	9064-13-5
Tetrakis-[methylene(3,5-di-tert-butyl-4-hydroxyhydrocinnamate)]-methane	6683-19-8
2-Propenoic acid, telomere with 2-methyl-2-[(1-oxo-2-propenyl)amino]-1-propanesulfonic acid monosodium salt and sodium hydro	97953-25-8

#### Performance & Application Data

<b>Application</b>	Template, hand, pneumatic, robotic
<b>Viscosity</b>	28,000-30,000 cps
<b>Suggested thickness</b>	20-30 mils
<b>Thinner</b>	DI water
<b>Cure time</b>	1hr. Ambient, 30 min.@65°C, 20 min. @82°C
<b>Removal</b>	Peel-able

## WonderMASK P Peelable Solder Mask

### Product# 2211

#### Packaging and Availability

<b>2211-8SQ</b>	8 oz. Liquid
<b>2211-G</b>	1 Gallon Liquid
<b>2211-5G</b>	5 Gallon Liquid
<b>2211-54G</b>	54 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 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).

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.