

# WonderMASK W Washable Solder Mask

## Product# 2205

### Product Description

Quick drying water washable mask. Quickly and easily removed with inline and batch cleaning systems.

NOTE: Do not use in close-loop wash systems.

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 W 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.
- 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

- **Water washable**
- **Non-corrosive**
- **Low odor**
- **Nonflammable**

### Usage Instructions

Apply a 10 to 15 mil coating for best results to desired area. The substrate should be free from grease, oil, and particulate matter. Drying times depend upon ambient humidity. Under normal conditions WonderMASK® W will cure in 1 hour at 25°C/77°F; however, cure can be accelerated to 30 minutes at 80°C/176°F. Do not over cure, as blistering of mask can occur, causing removal problems. Mask may be thinned using deionized water.



### Typical Product Data and Physical Properties

Physical state:	Liquid
Color:	Blue
Odor:	Alcohol-like
Shelf life:	5 years unopened – 2 years open

### Chemical Composition

Chemical Name	CAS#
1,2,3- Propanetriol	56-81-5
2-Propanol	67-63-0
Potassium Hydroxide	1310-58-3
Sodium salt of polymeric carboxylic acid	13463-67-7
Titanium dioxide	8031-18-3
DIATOMACEOUS EARTH/ATTPULGITE CLAY	64742-52-5
Petroleum hydrocarbon	

### Performance & Application Data

Application	Hand applied
Viscosity	9,00-10,000 cps
Suggested thickness	10-15 mils
Thinner	DI water
Cure time	1-2 hrs. Ambient, 30 min. @80°C
Removal	Soluble in Water 49 °C or higher

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#### Packaging and Availability

2205-8SQ	8 Ounce Liquid
2205-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 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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