

Wondermask© P Peelable Temporary Solder Mask



Description

Also available to buy online at  **SHOP** 

Techspray TEC2211 Wondermask© P is a temporary, peelable solder mask or resist composed 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 and will not stain substrates. Material stability problems, common in natural latex formulations, are avoided. When applied, the product appears opaque pink, and when cured, becomes completely translucent red. Cured mask can be used in water or solvent systems and in masking for conformal coatings. Excellent heat stability allows for prolonged exposure to high temperature without product degradation. This product may be used in most common forms of mask applications such as [robotic](#), [pneumatic](#), [hand applied](#), or template screening (not recommended for silk screening).

Features & Benefits

- Insoluble in water or solvent

Wondermask® P Peelable Temporary Solder Mask

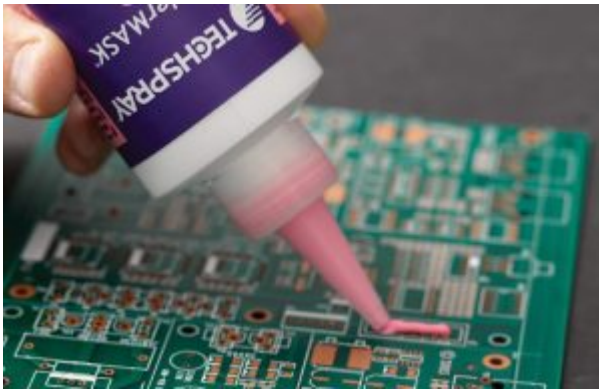


- Contains no ammonia
- No offensive odour
- Colour change on drying
- Static safe – non-tribo charging
- Stable formulation
- Long shelf life
- Non-corrosive
- Safe on metals
- Thixotropic
- Versatile

Wondermask® P Peelable Temporary Solder Mask



Applications



Protects plated through holes and contact surfaces

from solder during soldering operations

- Mask areas during conformal coating applications
- Gold fingers
- Card edges

- Mask can be applied using [robotic](#), [pneumatic](#), [hand applicators](#) or template screening.
- Not recommended for silk screening applications.
- Apply a 0.75mm to 1mm coating for best results to desired area.
- Wondermask P may be thinned using deionised water.
- The substrate should be free from grease, oil, and particulate matter.
- Drying times depend upon ambient humidity. Under normal conditions Wondermask P will cure in 1 hour at 25°C; however, cure can be accelerated to 30 minutes at 65°C or 20 minutes at 82°C.

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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. Removal is by peeling off.
- Dried mask is not soluble in water or solvents.

Specifications

Wondermask® P Peelable Temporary Solder Mask





Product Information

Wondermask® P

Peelable Solder Mask
2211

Introduction

Wondermask® P is a temporary, peelable solder mask comprised of a flexible, synthetic acrylic film designed to withstand fluxing, wave soldering and cleaning operations. Unlike radical film masks, it contains no offensive amines and forms a non-conductive copper, gold, silver or pre-soldered surface. In addition, cavity protection is provided when applied. The product is capable of use, and when used, requires complex processing not. Wondermask can be for mounting customized coatings. May be used in applications such as robotic, pneumatic, hand-applied or template screening and recommended for all screening.

Features / Benefits

- Peelable Solder
- Synthetic Solder
- Non-Flammable
- Quick Drying

Chemical Composition

Diethylene Glycol	2750-15-5	50-60%
Acrylic Latex Polymer	9005-90-5	30-40%
Hydroxyethyl Methacrylate	9005-90-5	<1%
3-chloro-2-hydroxy-4-ethoxyphenyl-5-one	237-12-25-4	<1%
Diethylene Glycol	25-42-1	2%
Acrylonitrile Methyl Methacrylate	9004-15-5	6-7%
Acrylic Copolymer		<1%
Diethylene Glycol	25-42-1	<1%
Diethylene Glycol	25-42-1	<1%
Diethylene Glycol	25-42-1	<1%

Application	Use Type	Can Size	Material	Viscosity	Suggested Thickness	Notes
Wondermask® P	Thermal	1.0L Ambient 5.0L 120°C 20 min. 120°C	Peelable Direct mask or not suitable in fields	20,000-30,000 cps	20-30 mils	2.1. 100%

[Download the Techspray TEC2211 Wondermask P product data sheet](#)

Ordering Information

**Wondermask© P Peelable Temporary
Solder Mask**



Part number	Description
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Wondermask© P Peelable Temporary Solder Mask



TEC2211-8SQ



Wondermask P – 8 fluid ounce squeeze bottle



Wondermask© P Peelable Temporary Solder Mask



TEC2211-G



Wondermask P – 1 US gallon
in plastic



Wondermask© P Peelable Temporary
Solder Mask



TEC1715-30CC



Wondermask P – 5 x filled
30ml barrels



Wondermask© P Peelable Temporary Solder Mask



Let's start by talking about your application

 <u>01865</u> <u>842842</u>	 <u>orders@intertronics.co.uk</u>
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- Name*
- Company*
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If you're in the UK, knowing your postcode would help us get in touch even more quickly. If

Wondermask® P Peelable Temporary Solder Mask



you're outside the UK, please indicate your country.

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Supplied by:

intertronics

INTERTRONICS

12a Station Field Industrial Estate, Banbury Road, Kidlington

Oxfordshire England OX5 1JD

t 01865 842842 e info@intertronics.co.uk

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