

ACC13 Synthetic Peelable Mask

Introduction

This is a neutral acrylic latex material formulated as a temporary peelable solder mask designed to withstand fluxing, wave soldering and cleaning operations.

Key Features

- Neutral, stable, synthetic acrylic latex containing no ammonia.
- Non corrosive to copper, gold or presoldered surfaces
- Has a color change system (pink to translucent red) to show when the material is cured.
- Wide temperature range – withstands molten solder (including lead free).
- Uncured mask removable by water.
- Cured mask peels readily by hand.
- RoHS compliant.

Property

Appearance
Color

Rheology

Density

Viscosity

Test Method

Brookfield RVF

Value

Liquid
Pink (uncured)
Translucent Red (cured)
Thixotropic
1
28,000 – 30,000 mPas

Use and Cure Information

The product may be applied by hand or with automated equipment. Apply directly from the bottle as a thin film (solder mask) or a bead (e.g. protection of connectors during conformal coating). The product may be air cured at room temperature for 1 hour, or heated, for instance to 65°C for 30 minutes or to 82°C for 20 minutes.

The product may be thinned with deionized water if required.

Suggested mask thickness 20 – 30 mils/0.020 – 0.030 inch/500 – 750 micron.

The mask will change completely from pink to translucent red when full cure is achieved. The mask does not have to be completely cured before soldering operations, but it should be completely cured before removal.

Do not over cure as blistering of the mask can result, causing problems on removal.

Health & Safety

Safety Data Sheets available on request.

Packaging

CHT Adhesives are available in a variety packaging including cartridges and bulk containers. Please contact our sales department for more information.

Storage and Shelf Life

The shelf life of the product is 2 years after date of manufacture if stored in a dry place at 10 – 30°C in closed original containers.

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