

## ACC31

### Thinners for ACC 11 acrylic conformal coating

#### Introduction

ACC 31 ACRYLIC CONFORMAL COATING THINNERS is a special blend of high purity solvents designed for thinning ACC11 ACRYLIC CONFORMAL COATING. The main use of the thinners is to dilute the conformal coating to a suitable viscosity for use in dip, spray or "airless" coating application of conformal coatings to a Printed circuit board (PCB)

#### Key Features

- Unique solvent blend with flow additives
- High purity

#### Use and Cure Information

##### a)

Dipping – Typical dipping viscosities for the Acrylic coating are 250-350 cps that gives a typical viscosity of 25 - 30 microns.

Evaporative losses will increase the viscosity and lead to a thicker coating using more material per unit area. Viscosity should be checked by Brookfield or flow cups. Addition of 2-5% thinners should be made to bring the viscosity into this range.

##### b)

Air spray – Typical spray viscosities are 50 cps and are achieved by diluting 2 parts coating with 1 part thinners

##### c)

Airless spray (Nordson / PVA) – typically uses 50 – 100cps viscosity. For the latter use 3 parts coating with one part thinners.

#### NOTE

– viscosity of the diluted coating is strongly dependent on temperature. Data is given for typical room temperature (20C). These data are typical values and may need to be varied according to the equipment used and the population of the PCB.

#### Health and Safety

Safety Data Sheets available on request.

#### Packaging

CHT Additives are available in a variety of packaging and sizes. Please contact our sales department for more information.

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#### Property

##### Uncured product

Appearance

Colour

Flash Point °C

Odour

SG

##### Storage

Max storage temperature °C

Min storage temperature °C

Shelf life

#### Test Method Value

**Clear colourless liquid**

**Clear**

BS 2000-34 **-7 °C**

BS ISO 2781 **Butyl acetate**

**0.85**

**30 °C**

**10 °C**

**36 mths**

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