

## ACC 31 THINNERS for ACC11 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 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

Property	Test Method	Value
Appearance	Visual	Clear colourless liquid
Viscosity at 20°C, mPa.s		0.64
Density (25C, g/ml)	ASTM D70	0.85
Flash Point (°C)	ASTM D93	-7
	Pensky Martin (closed cup)	
Odour		Butyl Acetate

### Health and Safety

Health and safety sheet available separately

### Packages

5L UNII containers

### Storage and Shelf Life

3 years unopened stored between 10 – 30C

Revision Date: 04/08/2014

**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.**

### Disclaimer: -

The information and recommendations in this publication are to the best of our knowledge reliable. However, nothing herein is to be construed as a warranty or representation. Users should make their own tests to determine the applicability of such information or the suitability of any products for their own particular purposes. Statements concerning the use of the products described herein are not to be construed as recommending the infringement of any patent and no liability for infringement arising out of any such use is to be assumed.