

### GEL ACRYLIC REMOVABLE COATING

#### PRODUCT DESCRIPTION

AVR80 BA GEL is a non toxic, flexible transparent acrylic coating for the protection of electronic circuitry formulated to meet the highest resistance requirements.

It permits to make dam or high thickness deposit.

AVR80 BA GEL is repairable and can be removed with ABchimie SND or DNS (100% Ozone Friendly)

#### FEATURES

- Excellent adhesion under all climatic conditions.
- Fluoresces under UV light as an aid to inspection.
- Wide temperature range -65°C to +150°C.
- Can be soldered through without fear of highly toxic gases being produced (contains no isocyanates).
- Resistant to mould growth.
- Can be totally removed with ABchimie SND.
- Compatible with other high specification acrylic coatings.
- Excellent Dielectric properties.

#### APPLICATION

Workshop temperatures of less than 16°C or relative humidities in excess of 75% are unsuitable for the application of AVR80 BA GEL.

Before coating Pcb's must be clean, dry and without moisture. The CI being humidity sensor, it is important to remove it before coating. A passage in oven from 1 to 2 hours at 60°C is generally enough.

AVR80 BA GEL contains a UV trace which allows inspection of the PCB after coating to ensure complete and even coverage. The stronger the reflected light, the thicker the coating layer is.

#### Drying Times and Curing Conditions

AVR80 BA GEL will be touch dry after few minutes at room temperature and does not require a thermal cure. The full properties of AVR80 BA will be obtained after a 24 hours at room temperature.

#### Remove AVR80 BA GEL

AVR80 BA GEL can be soldered through. But, if necessary, it can be easily removed with SND solvent.

To remove AVR80 BA GEL, dip the full PCBA into a bath of SND during 3 to 10 minutes (depending the thickness of the gel). Then, brush it and after that rinse the PCB with SND.

To remove AVR80 BA GEL locally, use SND400B (aerosol) and work with absorbent paper to eliminate all the gel.

## **PROPERTIES**

### ***Liquid AVR80 BA GEL***

Color:	Transparent, blue reflection
Non-volatile %:	Around 50%
Density @ 20°C:	0.968
Viscosity @ 20°C:	Thixotropic
Flash point:	25°C
Drying time	<30 min by touch Completed cured at 24h

The conformal coating AVR80 BA GEL is compliance with REACH and RoHS regulations. If you want a certificate, please contact us ([info@abchimie.com](mailto:info@abchimie.com)).

## **PACKAGING**

### ***AVR80 BA GEL***

1 Litre Bulk AVR80 BA GEL 01L

### ***Acrylic Thinners***

5 Litres DVA BA 05L  
5 Litres DVA BA R 05L

### ***Removal Solvent SND (100% Ozone Friendly, Flammable)***

400ml Aerosol SND 400B  
5 Litre Bulk SND 05L  
30 Litre Bulk SND 30L

### ***No toxic Removal Solvent DNS***

5 Litre Bulk DNS 5L  
30 Litre Bulk DNS 30L

## **STORAGE AND SHELF LIFE:**

**Storage:** Storage temperature: 5 to 30°C

A temporary lower temperature during few days (transport) doesn't distort varnish properties.

**Date by use:** 12 months after the date of manufacturing.

***All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification. ABchimie cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.***