

TECHNICAL DATA SHEET



AVR80 GEL

Oct.2017

GEL ACRYLIC REMOVABLE COATING

PRODUCT DESCRIPTION

AVR80 GEL is a non toxic, flexible transparent acrylic coating for the protection of electronic circuitry formulated to meet the highest resistance requirements. It permit to make dam ot high thickness deposit.

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.
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APPLICATION

All PCBs, being composite materials, absorb moisture. If this is not removed, the conformal coating may not protect to its fullest extent. Pre-drying, or better still, vacuum desiccation, will remove most of the moisture.

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

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 for 2 hours at 80 ° C is generally enough.

Drying Times and Curing Conditions

AVR80 GEL have to dry at room temperature. The full properties of AVR80 GEL will be obtained after a 24 hours at room temperature.



PROPERTIES

AVR80 GEL

Color:	Transparent, blue reflection
Non-volatil %:	45%
Density @ 20°C:	0.96
Flash point:	25°C
Drying time	<30 min au toucher Completed cured at 24h

PACKAGING

AVR80 GEL

1 Litre Bulk AVR80 GEL 01L

Acrylic Thinners

5 Litres DVA 05L
5 Litres DVA 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

AVR80 GEL is compliance with REACH and RoHS regulations. If you want a certificate, please contact us (info@abchimie.com).

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.