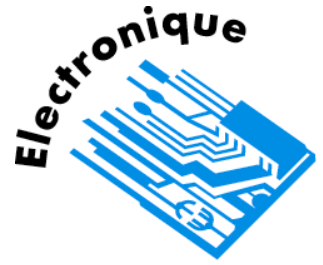




KF 1280 ND



Insulating varnish for printed circuit boards. Acrylic based.

1. GENERAL DESCRIPTION

Effective protection for electronic circuits and assemblies, used in aggressive environments.

2. FEATURES

- Ideal to varnish electronic cards, which will not need modification or reparation afterwards.
- Contains a pigment that gives a fluorescent blue glow when exposed to UV light.
- Very resistant acrylic based varnish.
- Perfect protection and insulation in hot/humid environment
- Resist to extreme temperatures (from - 40°C till + 125°C).
- Allows soldering.
- Without silicones.
- Quick drying at ambient temperature, accelerated in oven cabinet.

3. APPLICATIONS

Application areas :

- aeronautics,
- arming,
- marine,
- aerospace,
- telecommunications,
- electronic material,
- automotive electricity ...

Is used as a durable protection on all electronic assemblies which have to resist extreme climatic conditions.

4. DIRECTIONS

Before application, degrease completely all pieces to be treated and remove all traces of soldering flux by using e.g. SITOSEC KF (references 1004, 1005 & 2250) or NETTOYANT DE FLUX DE SOUDURE KF (references 1019 & 2126).

Apply a coat weight of 20 to 40 microns on the surface to be treated.

- Aerosol: spray KF 1280 in thin, crossed layers at a distance of 25 cm from the surface to be treated.
- Brush / spray gun: preferably dilute the product 5 to 20% with DILUANT KF 1280 (reference 2084). Coat or spray carefully the surfaces to be treated avoiding run-offs.
- By dipping: recommended application for the protection of circuits, especially in very aggressive environment. Dip the circuit and leave it to drain.



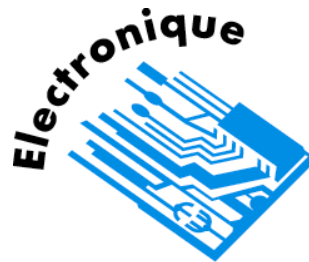
CRC Industries France S.A.

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S.A au capital de 1.936.667 € - R.C.S. Pontoise B 391 513 314 – APE 515 L
www.crcind.com





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A material data safety sheet (MSDS) according to EU directive 91/155/EEC and amendments is available for all KF products.

5. TYPICAL PRODUCT DATA (without propellant)

Aspect	: liquid.
Density	: 0.90 - 0.96 g/cm ³
Viscosity bulk	: 120 - 300 mPa.s
Solid content (bulk)	: 38 - 42 %
Flashpoint (bulk)	: < 0°C
Coat thickness	: 20 to 40 microns
Coverage (bulk)	: approx. 10 m ² /litre
Drying time :	
At ambient temperature (HR 50%)	: dust-free : 35 à 45 min dry to touch : approx. 3 h.
In cabinet	: during 2 hours at 80°C or 1h at 100°C.

Electrical characteristics:

Polymerised during 72 h at ambient temperatures (HR 50%) and 2 h at 80°C.

Dielectric strength	: value > 60 kV/mm
Surface resistivity	: value > 1 x 10 ¹² Ω
Volume resistivity	: value > 1 x 10 ¹³ Ω cm
Resistance to thermal choc	: excellent
(7 cycles in 24 h / temperatures from - 40 °C to + 85 °C).	
Resistance to humid heat	: excellent
(24 h at + 55°C and 95% HR plus 24 h at +25°C and 95% HR).	

Temperature resistance (tested at ambient temperature):

After exposure at – 40°C during 6h	: excellent
After exposure at +120°C during 6h	: excellent

Heat soldering varnish



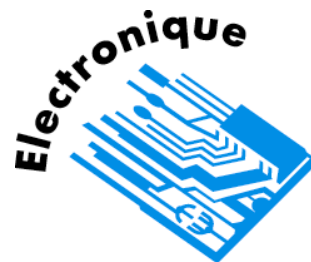
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6. PACKAGING

Ref. : 1141	aerosol of 650 ml brut - 500 ml net	Carton of 12 aerosols
Ref. : 2046	5 litre pail	Piece

Thinner for varnish KF 1280

Ref. : 2084	5 litre pail.	Piece
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All statements in this publication are based on service experience and/or laboratory testing. Because of the wide variety of equipment and conditions and the unpredictable human factors involved, we recommend that our products be tested on-the-job prior to use. All information is given in good faith but without warranty neither expressed nor implied.

This Technical Data Sheet may already have been revised at this moment for reason such as legislation, availability of components and newly acquired experiences. The latest and only valid version of this Technical Data Sheet will be sent to you upon simple request or can be found on our website: www.crcind.com.

We recommend you to register on this website for this product so you will be able to receive any future updated version automatically.

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Date : 27 September 2007



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