

## KF 1280 ND

Insulating varnish for printed circuit boards. Acrylic based.

Ref. : 20952

### 1. GENERAL DESCRIPTION

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

### 2. FEATURES

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- Ideal to varnish electronic cards.
- 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

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Application areas :

- aeronautics,
- 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

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Before application, degrease completely all pieces to be treated and remove all traces of soldering flux by using e.g KOC Cleaner 601 or KOC Kontakt PCC.

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

Spray KOC KF 1280 ND in thin, crossed layers at a distance of  $\pm 25$  cm from the surface to be treated.

***A safety data sheet (MSDS) according to EC Regulation N° 1907/2006 Art.31 and amendments is available for all CRC products.***



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**5. TYPICAL PRODUCT DATA (without propellant)**

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Aspect	:	liquid.
Density	:	0.90 - 0.96 g/cm <sup>3</sup>
Coat thickness	:	20 to 40 microns
Drying time :		
At ambient temperature (HR 50%)	:	dust-free : 35 to 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 <sup>12</sup> Ω
Volume resistivity	:	value > 1 x 10 <sup>13</sup> 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

**6. PACKAGING**

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Aerosol : 500 ml

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](http://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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