

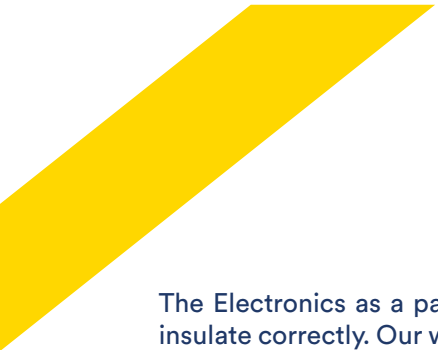


ROYAL DIAMOND
your insulation partner

Electronics



We design, formulate and customize resins, varnishes and flexible laminates
for Electronics



The Electronics as a part of electrical circuit is needed to encapsulate it to insulate correctly. Our wide range of Epoxy and Polyurethane Resins will help you to protect this kind of devices offering:

- Protection and encapsulating
- High level of thermal dissipation
- Adverse environment protection
- Excellent thermal conductivity

Capacitor

We have a wide range of Flexible Laminates to protect the coil outside part and Epoxy and Polyurethane Resins to insulate and protect against external factors like humidity, dust, vibrations, etc.

- High thermal conductivity
- Electrical insulation
- Adverse environment protection

Driver Led

Our flexible Polyurethane Resins range are excellent to protect against the possible vibrations inside the electronic device and adverse environment effects.

- Adverse environment protection
- Vibration protection
- Thermal conductivity required

Electric Charger

We are experts in design and formulation of flexible Polyurethane Resin with high Thermal Conductivity for these kind of devices.

- Dielectric protection
- Adverse environment protection
- High thermal conductivity

Electronic Transformer

In our Product portfolio you find adhesive insulation tape to protect the core and a wide range of Epoxy and Polyurethane Resins that allow you to encapsulate the electronic transformer perfectly.

- Dielectric protection
 - Adverse environment protection
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RESINS

Product	Chemical Nature	Thermal Class	Drying Method
ENCAPSULATION AND FILLING			
DIAPOL 507	POLYURETHANE	B (130°C)	AIR
DIAPOL 508	POLYURETHANE	B (130°C)	AIR
DIAPOL 509	POLYURETHANE	B (130°C)	AIR
DIAPOL 509FG SELF-EXTINGUISHING(UL)	POLYURETHANE	B (130°C)	AIR
DIAPOL 5174C	POLYURETHANE	B (130°C)	AIR
ROYAPOX 5050CD	EPOXY	B/F (130/155°C)	AIR
ROYAPOX 959 (UL)	EPOXY	B (130°C)	AIR

VARNISHES

Product	Chemical Nature	Thermal Class	Drying Method	Base
IMPREGNATION				
ROYALAC 30	ALKYDIC	B (130°C)	AIR	SOLVENT
ROYALAC 129	URETHANIC	F (155°C)	AIR	SOLVENT
ROYALAC 158/4	UREA / FORMALDEHYDE	F (155°C)	OVEN	SOLVENT
ROYALAC 525MA	ALKYDIC/EPOXY	H (180°C)	OVEN	SOLVENT

FLEXIBLE LAMINATES

Product	Material	Thermal Class	Thickness
NOT IMPREGNATED			
POLYESTER FILM	POLYESTER	B (130°C)	From 0,023 to 0,35 mm
TERCOTT K	KRAFT	B (130°C)	From 0,03 to 0,30 mm
TERCOTT CF	PRESSPAN	B (130°C)	From 0,15 to 0,40 mm
TERCOTT MTS (UL)	DMD	B/F (130/155°C)	From 0,08 to 0,45 mm
THERNOMID AFA (UL)	ARAMIDE BASED	H (180°C)	From 0,14 to 0,47 mm



ROYAL DIAMOND
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Our values:

Tradition

More than 50 years dedicated to electrical insulation for different sectors. A combination of values, experience and know-how make us your best partner for your electrical insulation needs.

Customization

We understand electrical insulation like a system integrated of resins, varnishes and flexible laminates as individually designed for any sector and Client.

Human Team

Our Team is made up of more than 50 people who transmit naturally the values of the company.

Quality

The quality in our company and our products is a must and we work under ISO 9001:2015 certification.

Our target is to be your best **partner** to create great projects together.

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