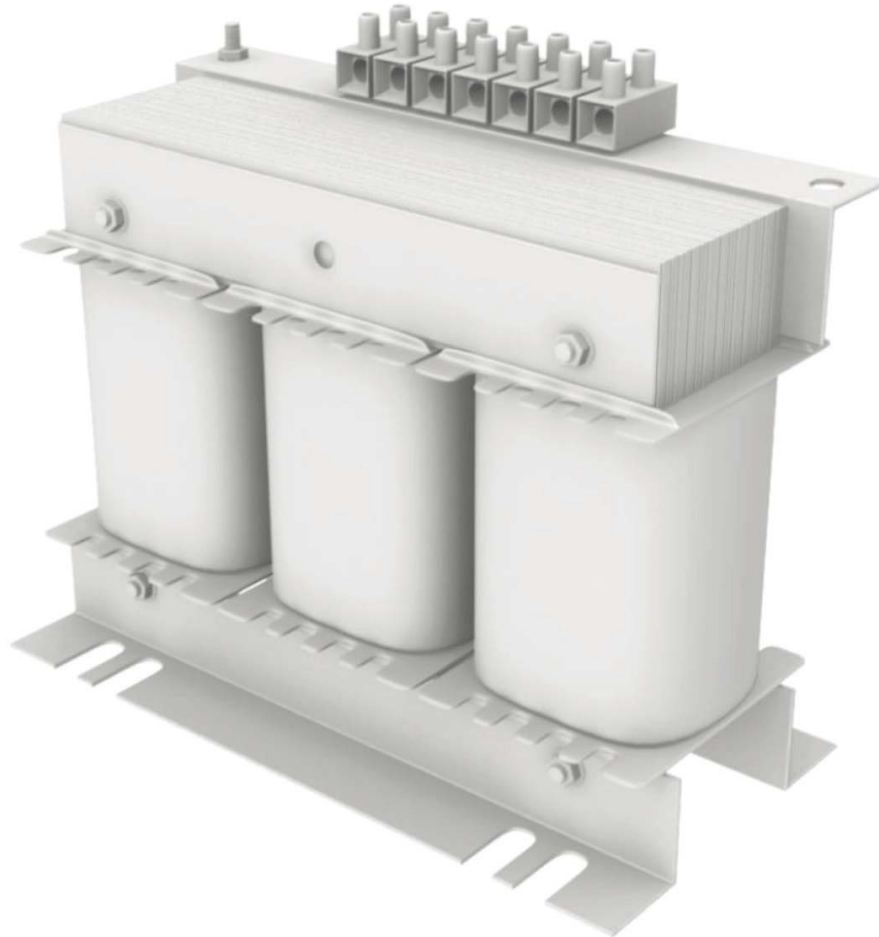




ROYAL DIAMOND
your insulation partner



General Transformer

We design, formulate and costumize resins, varnishes and flexible laminates
for General Transformer

Our wide experience reached after all this time being close to our Clients (PARTNERS) in Transformer Market allows us to design and develop systems of electrical insulation for any industrial sectors.

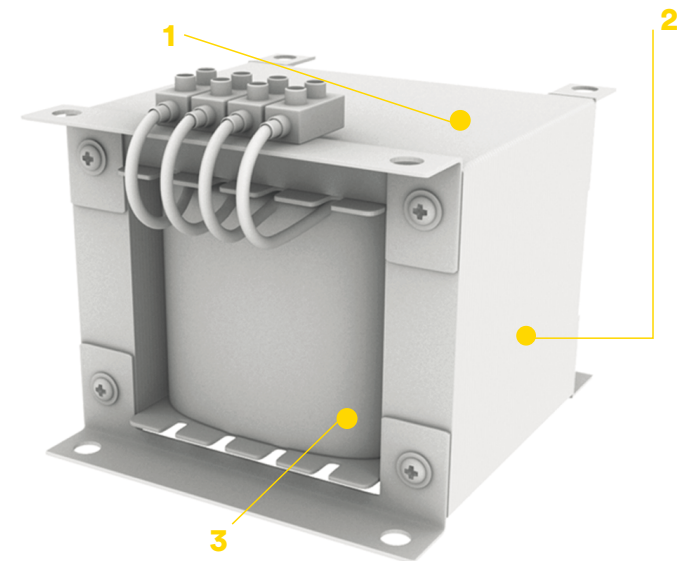
General Transformer

Transformers like Autotransformers, Inductances, Three-phase and Toroidal type need an electrical insulation system with the following properties:

- High dielectric strength and electrical insulation
- Good heat dissipation
- Resistance to external elements (changes in temperature, humidity, oil, dust, etc.)
- Maximum use for adaptation to the design and mechanical construction of the systems
- Chemical and mechanical resistance

Royal Diamond designs and manufactures a wide range of products which offer all of these properties and the following functions :

- Insulation between phases and coils with flexible insulating laminates
- Protection by impregnation and finishing varnishes and resins
- Protection by potting and filling resins
- Adhesive tapes



1. Varnish and resin for impregnation
2. Potting resin
3. Flexible Laminates

		Product	Chemical Nature	Thermal Class	Drying Method	
RESINS	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 AUTOEXTINGUIBLE (UL)	POLYURETHANE	B (130°C)	AIR	
		ROYAPOX 5050CD	EPOXY	B/F (130/155°C)	AIR	
		ROYAPOX 959 (UL)	EPOXY	B (130°C)	AIR	
		ROYAPOX 502F (UL)	EPOXY	H (180°C)	OVEN	
		ROYAPOX 502FC	EPOXY	H (180°C)	OVEN	
	IMPREGNATION	ROYAPOX 511	EPOXY	F (155°C)	AIR	
		ROYAPOX 915	EPOXY SOLVENTLESS	H (180°C)	OVEN	
		DIAPOL 790SL (UL)	POLYESTER SOLVENTLESS	H (180°C)	OVEN	
		DIAPOL 788/200	POLYESTERIMIDE	N (200°C)	OVEN	
			Product	Chemical Nature	Thermal Class	Drying Method
VARNISHES	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 521	ALKYDIC/EPOXY	F (155°C)	OVEN	SOLVENT
		ROYALAC 525MA	ALKYDIC/EPOXY	H (180°C)	OVEN	SOLVENT
		E-524TS (UL)	ALKYDIC/EPOXY	H (180°C)	OVEN	SOLVENT
		WE203 (UL)	ALKYDIC	H (180°C)	OVEN	WATER
	FINISH AND PROTECTION	ANTIFLASH G-142 (UL)	ALKYDIC/EPOXY	F (155°C)	OVEN	SOLVENT
		ANTIFLASH G-144 (UL)	ALKYDIC	F (155°C)	AIR	SOLVENT
		ANTIFLASH 505 (UL)	EPOXY	H (180°C)	AIR/OVEN	SOLVENT
		ANTIFLASH 214SR (UL)	ALKYDIC/SILICONE	H (180°C)	AIR/OVEN	SOLVENT
			Product	Material	Thermal Class	Thickness
	FLEXIBLE LAMINATES	NOT IMPREGNATED	POLYESTER FILM	POLYESTER	B (130°C)	From 0,023 to 0,35 mm
TERCOTT MTS (UL)			DMD	B/F (130/155°C)	From 0,11 to 0,45 mm	
TUFQUIN TFT (UL)			TUFQUIN BASED	H (180°C)	From 0,13 to 0,51 mm	
THERNOMID AFA (UL)			ARAMIDE BASED	H (180°C)	From 0,14 to 0,47 mm	
TUFQUIN TPiT (UL)			TUFQUIN BASED	N (200°C)	From 0,12 to 0,32 mm	
THERNOMID APiA (UL)			ARAMIDE BASED	N (200°C)	From 0,13 to 0,30 mm	
IMPREGNATION		THERNOMID 10.04VF	DM IMPREGNATED	F (155°C)	From 0,06 to 0,30 mm	
		TRIPLEX F 20.08 (UL)	DMD IMPREGNATED	F (155°C)	From 0,13 to 0,45 mm	



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

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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.