

COATING PRODUCTS

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Coating products are used mainly for the protection of fragile or exposed components. For small low voltage transformer coils or PCBs, generally coatings are applied on their own directly to the components, but for larger units such as motors or generators or for units operating in harsh environments, the coating is used as a final protective layer over the top of the impregnating varnish or resin.

Product	Chemistry	Temp rating*	Flash point	Viscosity @ 25°C (cPs)	Colour	Min. curing condition	Properties
SOLVENT-BASED BAKING VARNISHES							
HI-THERM® BG-346/A	Modified Polyester	200°C	25°C	200 - 350	Grey	2 - 4 h @ 150°C	BC-346/A base with Grey gloss finish, tough flexible, strongly moisture resistant, meets US Military standard MIL-I-24092D
HI-THERM® BB-359/FR	Polyurethane	180°C	25°C	800 - 950	Black	3 - 4 h @ 120°C	Low-temperature curing, flexible with superior moisture & chemical resistance
HI-THERM® BC-359/HVR	Polyurethane	180°C	25°C	3,500 - 5,000	Red	3 - 4 h @ 120°C	Low-temperature curing, flexible with superior moisture & chemical resistance, high build
SOLVENT-BASED AIR-DRYING VARNISHES							
SYNTHITE® EB-41	Polyurethane	180°C	25°C	200 - 400	Black	30 m @ 25°C	Tough, flexible film, abrasion, chemical & highly moisture resistant
SYNTHITE® ER-41	Polyurethane	180°C	25°C	200 - 400	Red	30 m @ 25°C	Tough, flexible film, abrasion, chemical & highly moisture resistant
SYNTHITE® EB-43/387D	Alkyd Polyester	180°C	25°C	200 - 400	Black	1 h @ 25°C	Tough, flexible film, abrasion, chemical & moisture resistant
SYNTHITE® EG-43/698D	Alkyd Polyester	180°C	25°C	450 - 600	Grey	1h @ 25°C	Tough, flexible film, abrasion, chemical & moisture resistant
SYNTHITE® ER-43/368D	Alkyd Polyester	180°C	25°C	450 - 600	Red	1 h @ 25°C	Tough, flexible film, abrasion, chemical & moisture resistant
SYNTHITE® AC-46	Polyurethane	180°C	25°C	150 - 200	Clear	30 m @ 25°C	Fungicidal with UV tracer, UL certified conformal coating for PCBs
TWO-PACK RESINS							
DOLPHON® CR-1034	Epoxy	130°C	150°C	Thixotropic	Red	24 h @ 25°C	Butter-on sealing paste, high resistance to chemicals & moisture, abrasion resistant
DOLPHON® CW-1081	Epoxy	130°C	60°C	10,000	Brown	72 h @ 25°C	Spray-on sealing resin, high resistance to chemicals & moisture, abrasion resistant
DOLPHON® CB-1128	Polybutadiene	155°C	25°C	Thixotropic	Black	24 h @ 25°C	Butter-on sealing paste, high resistance to chemicals & moisture, abrasion & impact resistant

*UL 1446 Twisted pairs on MW35 wire, except for two-pack resin products. UL certified component

