

ELAN-*Tron*[®], ELAN-*Cast*[®], and Bectron[®] resins for Conformal Coating

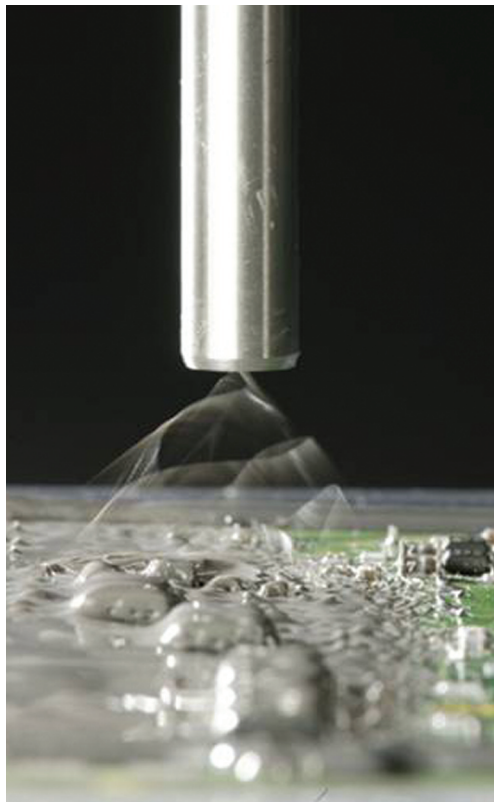
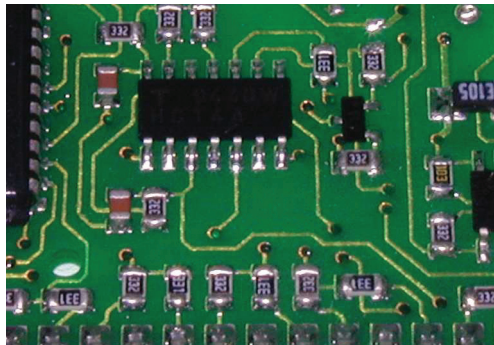
Conformal Coating

Product Summary

ELAN-Tron®, ELAN-Cast®, and Bectron® conformal coatings are designed for easy dip or spray application to printed circuit boards.

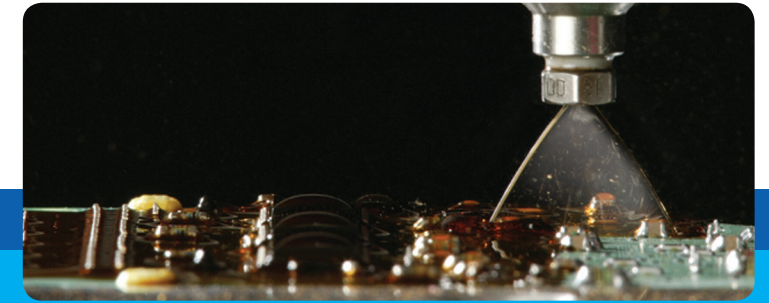
Product Uses

- Printed Circuit Boards
- Surface Mount Devices



Application Methods

- Spray
- Dip



Product Characteristics at a Glance

		Viscosity cP at 25°C	Mix Ratio (by weight)	Cure Schedule for Optimum Properties	Maximum Service Temperature (IEC 60085)	Solids Content
ELAN-Tron® A 5026-21	Clear, single-component, solvent-borne, acrylic resin. Air drying. Spray or dip application. UV tracer. Non-fogging per DIN 75201. Thin film build. This coating is IPC-CC-830 qualified.	40 - 60	-	30 m at 25°C	85°C	20.5%
Bectron® PL 1102	Clear, single-component, solvent-borne, acrylic resin. Air drying. Spray or dip application. UV tracer. Formulated for excellent air release and substrate wetting providing a smooth, continuous thin film build. Non-fogging per DIN 75201. This coating is IPC-CC-830 qualified.	25 - 50	-	30 m at 25°C	85°C	21.0%
Bectron® PL 4122-40 E BLF FLZ Bectron® PL 4122-45 E BLF FLZ	Clear, single-component, urethane-modified alkyd resin system for thin film build. Room temperature or accelerated cure up to 80°C. UV tracer. 4122-40E for airless spray application, 4122-45E for dip application. UL 94 V0 listed. Temperature index 134°C per IEC 60216. This coating is IPC-CC-830 2002 Class A qualified. (IPC-CC-830 October 2008 under evaluation.)	60 - 100 200 - 300	-	16 h at 25°C or 0.5 h at 80°C	130°C 130°C	40% 45%
Bectron® PL 4122-40 P	Clear, single-component, urethane-modified alkyd resin system for thin film build. Room temperature or accelerated cure up to 80°C. UV tracer. Formulated for air-assisted spray application. UL 94 V0 listed. Temperature index 134°C per IEC 60216. This coating is IPC-CC-830 2002 Class A qualified. (IPC-CC-830 October 2008 under evaluation.)	60 - 100	-	16 h at 25°C or 0.75 h at 80°C	130°C	40%
Bectron® PK 4332	Black single-component, very flexible polyurethane resin system. For selective coating of SMD and other sensitive components on printed circuit boards. Excellent thermal cycling performance from -60°C to +125°C. Thick film build depending on application mode.	4500 - 6500	-	70-90 m at 90°C	130°C	100%
Bectron® PT 4600	Clear, single-component, thick film polyurethane resin system. UV / moisture cure.	500 - 1500	-	UV light: 5-10 s or 72 h at 25°C	120°C	100%
Bectron® MR 3406	A modified polyolefin hot melt for use as a thick film coating in electronic protection. Environmentally friendly containing no solvents and zero VOCs. Offers excellent electrical insulation properties, protection against humidity and good chemical resistance. Suitable for application by hand with a hot-melt gun or, with modifications, by automated dispensing. Coating can be easily reworked or repaired.	520 mPas (at application temperature)	-	190°C (application temperature)	130°C	100%
ELAN-Cast® E 471-5LL FR Black Resin ELAN-Cast® E 471-5LLHV FR Black Resin ELAN-Cast® C 471-5LL Hardener	Two-component, filled epoxy resin system for thick film build. UL System listed. Flame retardant per UL 94 V0. Enhanced chemical resistance with low stress, room temperature / low heat cure. E 471-5LLHV formulated for high build.	2000 - 3000 27000 - 33000 (mixed)	100:15 100:15	168 h at 25°C or 4 h at 80°C	130°C	100%
ELAN-Tron® E 697 Resin ELAN-Tron® C 126 Hardener	Clear, two-component, unfilled epoxy resin system. Low heat cure. Slightly thixotropic for thick film build. Dip application.	4500 - 7500 (mixed)	100:50	4 h at 65°C	155°C	97%

For More Information Ask For Our Technical Data Sheets.

Alternate cure schedule may be possible for your application. Consult with your ELANTAS PDG representative.

ELANTAS PDG, Inc.

ELANTAS Electrical Insulation

Around the world, ELANTAS Electrical Insulation companies are respected as market leaders in the development and manufacturing of impregnating resins (varnishes), wire enamel, potting compounds and casting resins for a number of electrical, industrial, aerospace and civil applications. No matter what your challenge, be assured that ELANTAS Electrical Insulation products will meet your most demanding needs.

ELANTAS PDG, Inc.

Today, ELANTAS PDG, Inc. is recognized as the premier global supplier of specialty polymers for the electrical and electronic industries. ELANTAS PDG, Inc. is a member of ALTANA's ELANTAS Electrical Insulation Division based in Wesel, Germany.

With the support of ALTANA and by working with other ALTANA divisions, we offer a unique global approach to research, manufacturing and service that translates into more creative solutions, dependable supply and consistently high quality.

Many ELANTAS PDG, Inc. products are recognized as components of electrical insulation systems in accordance with UL 1446. ELANTAS PDG, Inc. is registered to ISO 9001 and ISO/TS 16949.

ELANTAS PDG, Inc.

5200 North Second Street
St. Louis, MO 63147 USA

Tel 314.621.5700

Fax 314.436.1030

info.elantas.pdg@altana.com
www.elantas.com

A member of  **ALTANA**



ELANTAS PDG, Inc. headquarters in St. Louis, Missouri

ELANTAS Electrical Insulation companies are strategically located throughout the world to meet the primary insulation, secondary insulation and electronic and engineering materials needs of our customers.

AMERICAS

ELANTAS PDG, Inc.
ELANTAS Isolantes,
Electricos do Brasil

ASIA

ELANTAS Beck India
ELANTAS Tongling
ELANTAS Zhuhai

EUROPE

ELANTAS Beck
ELANTAS Italia

 **ELANTAS**
Electrical Insulation