

**TECH LINE COATINGS, INC.**



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[www.techlinecoatings.com](http://www.techlinecoatings.com)

**PRODUCT DATA SHEET**

**CilGen™  
LTC**

**SELECTION DATA**

**CHEMICAL NAME / SYNONYMS:**

**PRODUCT DESCRIPTION:**

*LTC* is a clear ceramic coating capable of providing extremely high levels of corrosion and chemical protection in very thin films. When properly applied *LTC* will withstand substrate temperatures of over 450f. *LTC* will dry in approximately 1 hr, to the touch, air cure over a minimum period of 24 hours for full handling characteristics. The coating achieves maximum characteristics in 7 days. *LTC* is solvent based with a very low V.O.C. *LTC* may also be pigmented to achieve special effects.

**RECOMMENDED USES:**

*LTC* is primarily designed as a clear top coat. It has good adhesion to virtually all metals and some plastics as well as to most coatings manufactured by Tech Line. *LTC may be applied to a polished surface.* Designed for single coat coverage, though multi coat applications will increase gloss levels. An excellent coating for Alloy Wheels, Polished components and is especially effective over *Powdr;O™*.

**NOT RECOMMENDED FOR:**

**CHEMICAL RESISTANCE:** Good

**TEMPERATURE RESISTANCE:** (non-immersion)  
450f substrate. Clarity may degrade at temperatures over 500F.

**FLEXIBILITY:** Good      **WEATHERING:** Good

**ABRASION RESISTANCE:** N/E

**SUBSTRATES:** May be applied to both ferrous and non-ferrous metals and some plastics.

**TOPCOAT REQUIRED:** N/A  
**SPECIAL TREATMENT:** None

**COMPATIBILITY WITH OTHER COATINGS:**  
Excellent

**SPECIFICATION DATA**

**THEORETICAL SOLIDS CONTENT OF MIXED MATERIAL:** <30% WT.

**PRIMER:** No primer needed.

**MIXING:** Stir and shake well.

**RECOMMENDED DRY FILM THICKNESS PER COAT:** .0005" to .001"

**THEORETICAL COVERAGE:** @ + 400 Sq. Ft. Gallon

**BURNISHING:** None

**SHELF LIFE:** 1 year.

**COLOURS:** Clear

**GLOSS:** Clear coating

**ODERING INFORMATION**

Prices may be obtained from Tech Line Coatings, Inc. sales representative or main office.

**APPROXIMATE SHIPPING WEIGHT:**

**FLASH POINT:** >200° F.

**SURFACE PREPARATION:** All parts must be absolutely free of all oils, grease, moisture, dust, scale or corrosion.

**METALS:** May be applied to a clean dry surface. No etching required.

**FINAL CLEAN:** Before spraying the part must be thoroughly cleaned using air blast, hot water rinse, solvent base rinse, or any other method that provides a clean dry surface. DO NOT USE petroleum based solvents,

**APPLICATION TEMPERATURES:**

Material Surfaces Ambient Humidity

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Normal	18-30°C	18-30°C	16-32°C	65-85%
Minimum	13°C	13°C	10°C	50%
Maximum	35°C	38°C	38°C	95%

**SPRAY:** Apply coating in a single light pass (approximately 20% overlap) to achieve a thickness of .0005". DO NOT attempt to apply a thick coat in one application. Thicker coats require a dry period between applications. Use sufficient air volume for correct operation of equipment. (Minimum 30 PSI) Minimum air, coating and part temperature should be 65f, if below warm up part and coating. Spray at a right angle to part with a 1mm or smaller nozzle size. Spray all irregular surfaces and edges first, making an extra pass later. Check part for complete coverage.

**SPRAY GUN & Mfr.:** Any conventional unit. Recommended gravity feed type touch-up gun. (Important that nozzle size be 1mm or less)

**DRYING TIME:** Depends on temperature and humidity.

**FINAL CURE:** Air curing. Cure for full handling characteristics requires 24 hours minimum at temperatures above 18C / 65F. Full cure is achieved in 7 days

**VENTILATION AND SAFETY:** When used in enclosed areas, thorough air circulation must be provided during and after application until the coating is cured. The ventilating system should be capable of preventing fine particulate matter from exceeding TLV limits. In addition to proper ventilation, fresh air respirators or fresh air hoods must be used by all application personnel. Where flammable solvents exist, explosion proof lighting equipment must be used. Hypersensitive persons should wear protective clothing, gloves and/or protective cream on face, hands and all exposed areas.

**CLEAN UP:** M.E.K., Acetone or similar solvents.

**STORAGE CONDITIONS:** (Store indoors)

Temperature: 10-43°C Humidity: 0-100%

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**Note: N/E = Not Established**

**N/A = Not Applicable**

### APPLICATION INSTRUCTIONS

These instructions are not intended to show product recommendations for specific service. They are issued as an aid in determining correct surface preparation, mixing instructions and application procedure. It is assumed that the proper product recommendations have been made. Those instructions should be followed closely to obtain the maximum service from the materials.