



**Laster/Castor Corp**  
**1101 N. 161st E. Ave.**  
**Tulsa, Ok. 74116**  
**918-234-7777**

**[www.LCCCoatings.com](http://www.LCCCoatings.com)**

## **LOCK-COTE 72 – SERIES HIGH SOLIDS ALIPHATIC POLYURETHANE**

**DESCRIPTION:** Lock-Cote 72 – Series High Solids Aliphatic Polyurethane finish coats are two-component corrosion and chemical resistant coatings that are designed for long term protection and aesthetic enhancement of structures and equipment in industrial and marine service conditions. Lock-Cote 72 – Series High Solids Aliphatic Polyurethane offers outstanding long term weather resistance with excellent color and gloss retention. This coating is most effective when applied over Lock-Cote 63 – Series Epoxy Primer/Finish or Lock-Cote 68-90 Zinc Rich Epoxy-Polyamide Primer. However, it may also be applied directly to the clean metal surface (DTM) or over other suitable primers.

### **TYPICAL USES INCLUDE**

Offshore Equipment	Marine Vessels	Storage Tanks and Piping
Petro Chemical Industries	Power Plants	Shipbuilding
Machinery	Heavy Equipment	Conveyors & Ramps
Bridge Structures	Transport Vehicles	Work Platforms

### **TYPICAL PHYSICAL PROPERTIES:**

<b>COLOR:</b>	Standard Colors	<b>V.O.C.:</b>	1.6 – 2.0 lbs/gal
<b>COMPONENTS:</b>	Two	<b>RECOMMENDED D.F.T.:</b>	3.0 – 5.0 mils/coat
<b>GLOSS:</b>	High Gloss	<b>DRY TIME:</b>	@ 77° F, 55% R.H.
<b>MIXING RATIO (BY VOL.):</b>	4:1	To Touch:	2 – 4 Hours
• <b>MIX WITH 72-100 CATALYST</b>		To Handle:	4 – 6 Hours
<b>WT./GALLON:</b>	10.5 lbs	To Recoat:	6 – 8 Hours
<b>POT LIFE:</b>	3 hours	<b>THINNING:</b>	Brush: T-701 (5% - 10%)
<b>VISCOSITY AT 77° F:</b>	80 KU		Spray: T-701 (5% - 20%)
<b>SHELF LIFE:</b>	2 Years	<b>APPLICATION METHODS:</b>	Brush, Roll, Spray
<b>SOLIDS BY WEIGHT:</b>	71 – 73%	<b>FILM THICKNESS:</b>	
<b>SOLIDS BY VOLUME:</b>	62 – 65%	Wet:	5.0 – 8.0 mils per coat
<b>TEMP. RESISTANCE:</b>	200°F	Dry:	3.1 – 5.0 mils per coat
<b>CHEM. RESISTANCE:</b>	Aggressive Chemical Exposure	<b>APPLICATION EQUIPMENT:</b>	
<b>THEORETICAL COVERAGE:</b>	994 ft <sup>2</sup> /gal @ 1 mil dft	CONVENTIONAL:	DeVilbiss 510 Gun E Tip + Needle, 704 Air Cap
<b>FLASH POINT:</b>	40° F, TCC	AIRLESS:	Graco 30:1 Pump, .013 - .021 Tip or equivalent
		<b>CLEANING OF EQUIPMENT:</b>	T-701 or T-42

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**Industrial Coatings**  
**Soda Blasting Media**  
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## **LOCK-COTE 72 – SERIES HIGH SOLIDS ALIPHATIC POLYURETHANE**

### **PACKAGING:**

<b>Base:</b> Ones – 80% Fill (0.80 gal)	<b>Activator:</b> Quarts – 80% Fill (0.20 gal)
Fives – 80% Fill (4.0 gal)	Ones – 100% Fill (1.0 gal)

### **APPLICATION CONDITIONS:**

Surface should be dry, above 40° F and at least 5° F above the dew point. Humidity should be less than 85%.

### **SURFACE PREPARATION:**

Remove all grease, oil, dirt, dust or other contaminants.

**NORMAL SERVICE:** SSPC – SP6 Commercial Blast Cleaning or SSPC – SP10 Near White Metal Blast Cleaning. Prime with Lock-Cote 63 – Series Epoxy Primer/Finish, Lock-Cote 68 – Series Epoxy Polyamide Primers, Lock-Cote 68-90 Zinc Rich Epoxy-Polyamide Primer, or apply directly to the clean metal surface (DTM).

**CORROSIVE SERVICE:** SSPC – SP6 Commercial Blast Cleaning or SSPC – SP10 Near White Metal Blast Cleaning. Prime with Lock-Cote 63 – Series Epoxy Primer/Finish, Lock-Cote 68 – Series Epoxy Polyamide Primers, or Lock-Cote 68-90 Zinc Rich Epoxy-Polyamide Primer. A recommended primer must be used for corrosive service.

### **PREVIOUSLY PAINTED SURFACES:**

Remove all grease, oil, dirt, dust or other contaminants. Surface must be clean and dry. Remove all rust, rust scale, chalk, and loose peeling paint by SSPC – SP2 and SP3 Hand and Power Tool Cleaning, or SSPC – SP7 Brush-Off Blast Cleaning. Spot prime all bare areas and fully prime entire area to be painted before top coating.

### **RECOMMENDED PRIMER:**

Use Lock-Cote 63 – Series Epoxy Primer/Finish, Lock-Cote 68 – Series Epoxy-Polyamide Primers, or Lock-Cote 68-90 Zinc Rich Epoxy-Polyamide Primer. May also be applied over Lock-Cote 29 – 80 Universal Primer or directly to the clean metal surface (DTM).

### **SAFETY INFORMATION**

### **DOT CLASSIFICATION: PAINT UN 1263**

**DANGER:** Causes eye burns and skin irritation. Vapor harmful. Dried film of this paint may be harmful if eaten or chewed. Contains organic solvent. Do not get in eyes, on skin or on clothing. Wear protective eye equipment when handling. Keep away from heat, sparks, and flame. Avoid breathing vapor or mist. Wash thoroughly after handling. Wear appropriate, properly fitted respirator (NIOSH/MSHA approved) during and after application unless air monitoring demonstrates vapor/mist levels are below applicable level. Follow respirator manufacturer's directions for use. Keep container closed. Keep out of reach of children.

**FIRST AID:** IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. FOR SKIN CONTACT, FLUSH WITH WATER AND WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO-MOUTH, AND CALL A PHYSICIAN.

**NOTICE** Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

### **FOR INDUSTRIAL USE ONLY**

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