



L&A Coatings

MANUFACTURERS OF
INDUSTRIAL COATINGS

TECHNICAL
DATA SHEET

83 –700 TEMPERATURE RESISTANT BLACK

DESCRIPTION: 83 –700 Temperature Resistant Black is formulated for temperature resistance up to 700F in continuous use areas without heat cure. Temperature resistance increases to 1200F when cured at 450F for 1 hour within 24 hours of initial application. The 83 – Series is a modified silicone system providing air dry characteristics. This coating is self-priming with good flexibility, exterior gloss, and color retention.

TYPICAL USES INCLUDE

Piping	Machinery and Equipment areas operating at elevated temperatures	Boilers
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TYPICAL PHYSICAL PROPERTIES:

COLOR:	Black	V.O.C.:	3.05 lbs./gal
COMPONENTS:	One	RECOMMENDED D.F.T.:	1.5 –2 mils
GLOSS:	Semi	CURING:	Must be heated to 450F and held for 1 hour after application to achieve 1200F heat resistance.
MIXING RATIO (BY VOL.):	N/A	DRY TIME:	@ 77° F., 55% R.H. To Touch: 4 hours To Recoat: 6 hours
W.T./GALLON:	8.31+/- .2 lbs	THINNING:	not required, if needed use T-42 (xylene)
POT LIFE:	N/A	APPLICATION METHODS:	Spray, Brush or Roll
VISCOSITY AT 77° F:	60-65 KU	FILM THICKNESS:	Wet: 2.5-3.5 mils Dry: 1.5-2 mils
SHELF LIFE:	2 Years	APPLICATION EQUIPMENT:	CONVENTIONAL: DeVilbiss 510 Gun E Tip + Needle, 704 Air Gap
SOLIDS BY WEIGHT:	61%	AIRLESS:	Graco 30:1 Pump, 613 Tip or equivalent
TEMP. RESISTANCE:	>700° F- "without heat cure". 1200F- "with heat cure".	CLEANING OF EQUIPMENT:	T-42 or Xylene
SOLIDS BY VOLUME:	44%		
CHEM. RESISTANCE:	Moderate		
THEORETICAL COVERAGE:	832 ft ² /gal @ 1 mil dft		
FLASH POINT:	42° F, TCC		

**PACKAGING:**

1 Gallon Cans 5 Gallon Pails 55 Gallon Drums

APPLICATION CONDITIONS:

Surface should be dry, above 40° F and at least 5° F above the dew point.

SURFACE PREPARATION:

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

NORMAL SERVICE: SSPC-SP2 and 3 Hand and Power Tool Cleaning.

CORROSIVE SERVICE: SSPC-SP6 or 10 Commercial or Near White Metal Blast Cleaning.

PREVIOUSLY PAINTED SURFACES:

Remove all grease, oil, dirt, dust or other contaminants. Surface must be clean and dry, SSPC-SP2 or 3 or SSPC-SP7. Spot prime bare areas before coating.

SAFETY INFORMATION**DOT CLASSIFICATION: PAINT UN 1263**

DANGER: Causes eye burns and skin irritation. Vapor harmful. Contains organic solvent. Do not get in eyes, on skin or on clothing. Wear eye protective 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. Where products contain lead, do not use in dwellings or on surfaces accessible to children. 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