L&A Coatings

MANUFACTURERS OF INDUSTRIAL COATINGS

TECHNICAL DATA SHEET

72-10 – SERIES
HIGH SOLIDS ALIPHATIC POLYURETHANE

DESCRIPTION: 72-10 – 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

TYPICAL USES INCLUDE

Offshore Equipment	Marine Vessels	Storage Tanks and Piping
Petro Chemical Industries	Power Plants	Shipbuilding

TYPICAL PHYSICAL PROPERTIES:

COLOR: Black

COMPONENTS: Two

GLOSS: High Gloss

MIXING RATIO (BY VOL.): 4:1
- **MIX WITH 72-100 CATALYST**

WT./GALLON: 10.82 lbs

POT LIFE: 2.5 hrs@70F

VISCOSITY AT 77º F: 85 KU

SHELF LIFE: 2 Years

SOLIDS BY WEIGHT: 75 +/- 2%

SOLIDS BY VOLUME: 73 +/- 2%

TEMP. RESISTANCE: 200°F

CHEM. RESISTANCE: Aggressive Chemical Exposure

THEORETICAL COVERAGE: 1168 ft^2/gal @ 1 mil dft

FLASH POINT: 40º F, TCC

V.O.C.: 1.0 lbs/gal

ZINC Content **0 – (Zero %)**

RECOMMENDED D.F.T.: 3.0 – 5.0 mils/coat

DRY TIME: @ 77º F, 55% R.H.
- To Touch: 2 – 4 Hours
- To Handle: 4 – 6 Hours
- To Recoat: 3-7 days

THINNING: Brush: T-701 (5% - 10%)
Spray: T-701 (5% - 20%)

APPLICATION METHODS:
Brush, Roll, Spray

FILM THICKNESS:
- Wet: 4.0 – 7.0 mils per coat
- Dry: 3.0 – 5.0 mils per coat

APPLICATION EQUIPMENT:

CONVENTIONAL: DeVilbiss 510 Gun
E Tip + Needle, 704 Air Cap
AIRLESS: Graco 30:1 Pump,
.013 - .021 Tip or equivalent

CLEANING OF EQUIPMENT:
T-701 or T-42

PACKAGING:

Base: Ones – 75% Fill (0.75 gal)
Fives – 60% Fill (3.0 gal)

Activator: Quarts – 100% Fill (0.25 gal)
Ones – 100% Fill (1.0 gal)

APPLICATION CONDITIONS:

Surface should be dry, above 40º F and at least 5º 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 63 – Series Epoxy Primer/Finish, 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 63 – Series Epoxy Primer/Finish, or 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 63 – Series Epoxy Primer/Finish, or 68-90 Zinc Rich Epoxy-Polyamide Primer. May also be applied over 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