



CURAPOXY[®] LS

DESCRIPTION

CuraPoxy LS is a solvent free, 100% solids, epoxy coating designed for lining long lengths of potable water pipes. Formulated for broad range corrosion protection, CuraPoxy LS is certified safe for cold and commercial hot potable water (NSF/ANSI Std. 61) with a 5 hour cure time.

TYPICAL PIPE LINING USES

- Water distribution lines 1/2" to 8"

COLOR

Blue is the standard product color.

SOLIDS BY VOLUME & VOCs

100% solids by volume.

Volatile Organic Compounds: 0.0 lbs. /gallon

FILM THICKNESS

CuraPoxy LS is a 100% solids epoxy with zero shrinkage. Wet film thickness and final dry film thickness are the same (i.e. 10 mils WFT = 10 mils DFT). Maximum field use dry film thickness 20 mils

THEORETICAL COVERAGE

160 square feet per gallon at 10 mils thickness. Actual surface coverage will depend on surface irregularities and desired result. Trials are recommended to determine the actual coverage required to yield a desired film thickness for each individual type of installation.

APPLICATION METHOD

CuraPoxy LS is mixed and applied automatically in a 3 to 1 ratio by volume using the CuraFlo Engineered Flow Lining System[®].

THINNING

Do not thin with solvents: Pinholing and loss of adhesion can result. The CuraFlo Engineered Flow Lining System equipment heats the product to obtain the correct viscosity.

CLEAN UP

To clean tools, use acetone, MEK or xylene. To clean skin, wash immediately and thoroughly with soap and water – refer to the Material Safety Data for additional information on health and safety.

POT LIFE

45 minutes for 1 gallon at 72°F. The working life varies depending on the amount and temperature of epoxy mixed and the ambient temperature.

CURE TIME

CuraPoxy LS is cured by heating at 100°F for 1 hour followed by 4 hours at 72°F. After curing CuraPoxy LS, a 15 minute water flush at 2.5 to 3.5 gallons per minute at the highest possible service temperature (180°F for commercial hot, 140°F for domestic hot or 73°F for cold water) is required before returning the pipe to service. Recoat cure time and temperature: 24 hours at 72°F.

SURFACE TEMPERATURE

Minimum recommended: 50°F

Maximum recommended: 120°F

CERTIFICATIONS

NSF/ANSI Standard 61: **CuraPoxy LS** is certified to the requirements of NSF/ANSI Standard 61 – Drinking Water System Components.

AWWA: **CuraPoxy LS** meets the physical and performance requirements of ANSI/AWWA C210-92, "Liquid-Epoxy Coating Systems for the Interior and Exterior of Steel Water Pipelines".

IAPMO: **CuraPoxy LS** is certified to the requirements of IAPMO IGC 189 for application in pressurized metallic water piping systems.

ASTM: **CuraPoxy LS** is certified to ASTM F2831.

SURFACE PREPARATION

Surfaces to receive coating must be cleaned of all oil, grease, rust, scale, deposits and other contaminants. Contact CuraFlo for specific recommendations.

COMPONENTS AND MIXING

CuraPoxy LS is mixed and applied automatically in a 3 to 1 ratio by volume using the CuraFlo Engineered Lining System after heating both parts to 100°F.

For testing purposes only, pre-measured kits may be hand - mixed, or mixed by weight at a ratio of 3.011 parts of Part A to 1 part of Part B by into a clean container. Individual containers need to be heated to 100°F and mixed prior to metering. Completely mix combined components for a minimum of one minute before transferring contents to a clean container. Continue mixing in the clean container a minimum of one minute before application. Be certain to scrape the sides frequently to attain a thorough mix. Apply to panels with a draw bar set to apply 40 mils wet film thickness.

SHELF LIFE AND STORAGE

Shelf Life: 1 year in sealed, unmixed containers at room temperature. Store in sheltered area between

60°F and 80°F (15°C and 27°C). Containers may need to be mixed if contents have settled.

SAFETY

Consult the Material Safety Data Sheet for this product concerning health and safety information before using. Strictly follow all notices on the Material Safety Data Sheet and container label. If you do not fully

understand the notices and procedures provided, or if you cannot strictly comply with them, do not use this product. Actual safety measures are dependent on application methods and work environment. Contact CuraFlo to obtain a copy of the Material Safety Data Sheet at 888-428-7235.

TYPICAL PROPERTIES*

DESCRIPTION	METHOD	RESULT
Tensile Strength	ASTM D 638	7,700 psi
Tensile Ultimate Elongation	ASTM D 638	1.2%
Compressive Strength	ASTM D 695	16,600 psi
Flexural Strength	ASTM D 790	10,600 psi
Hardness, Shore D	ASTM D 2240	88
Adhesion, Steel (SSPC SP-10)	ASTM D 4541	>2,500 psi
Adhesion, Concrete	ASTM D 7234	Substrate Failure
Temperature Resistance	Steel, Unprimed and Concrete	200°F

* Typical properties are to be considered as representative of current production and should not be construed as specifications.

Warranty and Disclaimer: CuraFlo warrants its products to be free of manufacturing defects in accord with applicable CuraFlo quality control procedures and that they meet the formulation standards of CuraFlo. To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. If, within one (1) year from purchase, any product is proven defective, CuraFlo, at its sole option, will either replace the defective product or refund the purchase price. This warranty is void if the product is used contrary to CuraFlo's written directions.

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