TECHNICAL DATA SHEET

MaxPox®

Pipe Rehabilitation Resin Systems

MaxPox® Resin | MaxPox® 15 Hardener | MaxPox® 30 Hardener | MaxPox® 60 Hardener | MaxPox® 180 Hardener

DESCRIPTION

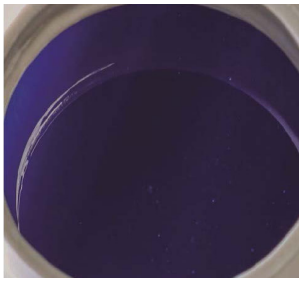
MaxPox® Resin Systems are two-part, 100% solids epoxies that offer superior mechanical properties, chemical resistance and excellent adhesion to pipe materials - even under very humid and wet conditions. As a part of the MaxLiner® lining systems, our resins are specially designed and formulated with excellent wet-out capability for quick and consistent sewer service repairs. MaxPox resins have ultra-low odor, zero VOCs and are Styrene-free.

TECHNICAL DATA

MaxPox Resin Systems are a 4-to-1 ratio epoxy system designed to meet all specifications for fully structural CIPP (Cured-In-Place Pipe) liner conforming to ASTM F1216. Using MaxPox Base Resin in conjunction with MaxPox Hardener will achieve a cross-linked system to for a high quality, long-term solution. Mixed resin pot life varies with temperature and total mass of material mixed. The data provided below is for reference only. For more detailed product information, contact MaxLiner prior to use.



MaxPox® Resin Part A



MaxPox® Hardener Part B

REACTION DATA	
Mixing Ratio A:B	4:1 by weight
Components	70°F | 21.11°C prior to mixing
Cure	Ambient, hot water, hot air or steam cure – see detailed instructions

MATERIAL PROPERTIES						
		MAXPOX RESIN	MAXPOX 15 HARDENER	MAXPOX 30 HARDENER	MAXPOX 60 HARDENER	MAXPOX 180 HARDENER
Weight	lbs/gal	9.49	8.90	8.43	8.44	8.21
Color		Yellow	Blue	Blue	Blue	Blue
Viscosity	At 77°F | 25°C	1,500 cps	950 cps	25 cps	720 cps	450 cps
Gel Time	100 gm at 73°F | 23°C		15 min	25 – 30 min	60 – 65 min	180 min
Cure Time	At 140°F | 60°C		20 min	50 mins	1 hour	120 mins

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MECHANICAL PROPERTIES		
SYSTEM COMPONENTS	4:1 BY WEIGHT RESIN HARDENER	
Flexural Strength, psi	ASTM D790	9,600
Flexural Modulus, psi	ASTM D790	425,000
Tensile Strength, psi	ASTM D638	8,000
Tensile Modulus, psi	ASTM D638	500,000
Elongation, %	ASTM D638	5

COMPONENTS
MaxPox Resin (Part A) is a uniquely formulated 100% solids unfilled epoxy resin. MaxPox 15, 30, 60, and 180 Hardener (Part B) are modified amine curing agents.

SYSTEM
4 parts of resin (Part A) and 1 part of hardener (Part B) by weight are mixed thoroughly for a minimum of 3 minutes at approximately 200 rpm. Take precautions not to incorporate air while mixing. The mixed resin is then used to fully saturate (wet out) MaxLiner tubes specially designed for MaxLiner Lining Systems. Follow MaxLiner's recommendations for equipment and procedures for liner wet-out, installation and processing.

FINAL PRODUCT
The combined resin and liner system is cured after insertion into the host pipe to form a tough, strong, renovated pipe. It is resistant to gravity municipal sewage, acids and alkalis commonly found in impermeable drains, sewers and commercial wastewater.

SHELF LIFE AND STORAGE
It is recommended that the resin is pre-mixed before decanting from a tote, and also in the bucket before use. Resins are stable for one year in well-sealed containers in a sheltered area between 65 – 80°F | 18.33 – 26.66°C. MaxPox Resin Systems are formulated for resistance to crystallization. However, if in the event of crystallization, contact MaxLiner immediately prior to use.

SAFETY
Always use Personal Protective Equipment (PPE) when using this product. Do not ingest. Always read the container label warning and Safety Data Sheets (SDS) prior to use. If you do not understand or cannot adhere to the guidelines and procedures for handling and use of these products in strict accordance with the SDS, do not use these products. SDS can be downloaded from the MaxLiner Mobile App or website.

DISPOSAL
Disposal must conform to local and state regulations.

It is important to note that the MaxPox Resin System is specifically designed for CIPP applications and has not been modified from another industry resin in attempt to fit the complex environmental, design and performance needs required in underground rehabilitation industry.

TECHNICAL SUPPORT
Call technical support with additional questions at (877) 426-5948.

DISCLAIMER
The information contained herein is offered without charge for use by technically qualified personnel at their discretion and risk. All statements, technical information and recommendations contained herein are based on tests and data which we believe to be reliable, but the accuracy or completeness thereof is not guaranteed, and no warranty of any kind is made with respect thereto. Exact coating type and thickness depend on the specific types of resin being used. Always read, understand, and comply with hazard warnings described in the products' Safety Data Sheet(s) before use.