TECHNICAL DATA SHEET

MaxPox® 2:1

Pipe Rehabilitation Resin Systems

MaxPox® 2:1 Resin | MaxPox® 2:1 - 30 | MaxPox® 2:1 - 60

DESCRIPTION

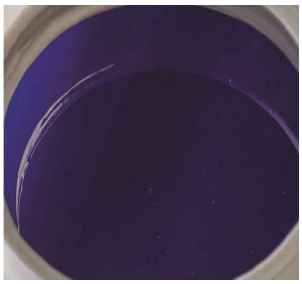
The family of MaxPox 2:1 resins are two-part, 100% solids epoxies designed to meet all specifications for full structural Cured-In-Place Pipe (CIPP) liner conforming to ASTM F1743 and ASTM F1216. Using MaxPox 2:1 Base Resin in conjunction with the specified MaxPox Hardener, MaxPox 2:1 Resins will achieve a fully cross-linked system to provide a high quality, long-term solution. 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

It is important to note that MaxPox is specifically designed for PIP and CIPP applications and has not been modified from another industry resin in attempt to fit the complex environmental, design and performance needs required in the underground rehabilitation industry. 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 2:1 Resin Part A



MaxPox 2:1 Hardener Part B

REACTION DATA	
Mixing Ratio A:B	2:1 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 BASE RESIN	MAXPOX 2:1 - 30 HARDENER	MAXPOX 2:1 - 60 HARDENER
Weight	lbs/gal	9.67	8.19	7.91
Color		Yellow	Blue	Blue
Viscosity	At 77°F | 25°C	22,000 cps	700 cps	287 cps
Gel Time	100 gm at 73°F | 23°C		30 min	82 min
Cure Time	At 77°F | 25°C		180 min	300 mins
Pot Life			30 min.	60 min.

sales@maxliner.co.uk | www.maxliner.co.uk

MECHANICAL PROPERTIES — MAXPOX 2:1 BY WEIGHT RESIN SYSTEM			
SYSTEM COMPONENTS	**TEST METHOD**	**MAXPOX 30**	**MAXPOX 60**
Flexural Strength	ASTM D790	8,410 psi | 58.0 MPa	9,263 psi | 63.8 MPa
Flexural Modulus	ASTM D790	292.8 ksi | 2,019 MPa	291,059 psi | 2,006 MPa
Tensile Strength	ASTM D638	3,249 psi | 22.4 MPa	4,133 psi | 28.5 MPa
Elongation	ASTM D638	17.8%	5.5%

MAXPOX 2:1 COMPONENTS

MaxPox 2:1 Base Resin

- MaxPox 30: 30 min. Pot Life Hardener (2:1 Ratio)
- MaxPox 60: 60 min. Pot Life Hardener (2:1 Ratio)

MIXING RATIO

2 parts MaxPox 2:1 Base to 1 part MaxPox 30 or 60.

MIXING DIRECTIONS

Mix 2 parts MaxPox 2:1 Base to 1 part MaxPox 30 or 60. Mix using a mixing paddle for a minimum of 3 minutes.

SHELF LIFE

18 months unopened and stored between 50°F and 100°F | 10°C and 37.8°C.

STORAGE

Store between 40°F and 100°F | 4.4°C and 37.8°C.

DISPOSAL

Disposal must conform to local and state regulations.

RESIN PERFORMANCE

2:1 - 30

Flow behavior and cure chemistry are highly sensitive to temperature. Cooler ambient temperatures and/or cooler material temperatures during mixing will increase material viscosity, lengthen the available work time, and lengthen the time required for full cure. Warmer temperatures will reduce viscosity, shorten available work time, and shorten the time required for full cure. Schedule wetout and installation activities accordingly. *Consider using MaxPox 2:1 - 60 in especially cold conditions.*

2:1 - 60

Flow behavior and cure chemistry are highly sensitive to temperature. Cooler ambient temperatures and/or cooler material temperatures during mixing will increase material viscosity, lengthen the available work time, and lengthen the time required for full cure. Warmer temperatures will reduce viscosity, shorten available work time, and shorten the time required for full cure. Schedule wetout and installation activities accordingly. *Consider using MaxPox 2:1 - 30 in especially warm conditions.*

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 PIP and 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.