



# MaxLight® UV Resin Systems

## UV LED CURE RESINS FOR CIPP REHABILITATION

The MaxLight UV Resin Systems are uniquely formulated to cure with UV LED light that offer superior mechanical properties and chemical resistance. As a part of the MaxLiner® liner system, these resins are specially designed with excellent wet-out capability, ultra-low odor and are Styrene-free.

### TECHNICAL DATA:

MaxLight UV Resin Systems are single-component resins designed to meet all specifications for a fully structural Cured-In-Place Pipe (CIPP) liner conforming to all applicable ASTM standards. Impregnated liner pot life varies with temperature and liner tube coating type. The data provided below is for reference only. For more detailed product information, contact MaxLiner prior to use.



### BENEFITS

- No mixing - single component
- No Styrene, ultra-low odor
- Rapid cure times
- No waste
- Superior mechanical properties
- Excellent UV cure profile

REACTION DATA	
Single Component	No Mixing
Temperature	77°F (25°C) prior to mixing
Cure	Ultraviolet light cure - 400 nm

PHYSICAL PROPERTIES <sup>1</sup>		ASTEMF1216	MaxLight Resin
Test	Test Method		
Flexural Modulus, psi	ASTM D790	250,000	406,609
Flexural Strength, psi	ASTM D790	4,500	14,649
Compressive Strength, psi	ASTM D695	4,000	25,817
Tensile Strength, psi	ASTM D638	3,000	8,700
Tensile Elongation, %	ASTM D638	5	5



**TYPICAL LIQUID PROPERTIES<sup>2</sup>**

Test	Unit of Measure	Nominal
Viscosity, @77°F (25°C)	cps	4,000
Color	-----	milky-white
Specific Gravity @ 77°F (25°C)	pounds/gallon	1.11
UV Gel Time	minutes	1-2

*Typical properties are not to be construed as specifications.*

**SYSTEM**

MaxLight Resins are calculated by weight to fully impregnate (wet-out) MaxLiner tubes specially designed for the MaxLight Lining System. Follow MaxLiner recommendations for equipment and procedures for proper liner wet-out and installation.

**FINAL PRODUCT**

The combined resin and liner system is cured by UV LED light after insertion into the host pipe to form a tough, strong, renovated pipe that is resistant to municipal sewage, acids and alkalis commonly found in drains, sewers and commercial wastewater.

**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 three months from date of production when stored in the original containers away from sunlight at no more than 77°F (25°C). During the hot summer months, no more than two months stability at 86°F (30°C) should be anticipated. Resin contains UV initiator and will polymerize upon exposure to sunlight.

**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 MaxLight UV 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.*

**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 test 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.