

**Product Name:** UV Flex Liner (LRM)


**Product Description:** TPU coated flexible fiberglass liner for use with LightRay LRM Pull-in-Place technology

**Typical Applications:**

Use this material with WRT's LightRay LRM technology for CIPP repairs in as little as 15 minutes.

**Performance Limits**

**\*\* If product is utilized outside the limits defined below, warranty coverage is voided \*\***

Characteristic	Spec	Comments	
<b>General</b>			
Typical finished Thickness (mm)	<ul style="list-style-type: none"> <li>3.1 mm</li> <li>4.2 mm</li> </ul>	<ul style="list-style-type: none"> <li>8" repairs (6" x 3mm tubes) ← recommended for 8"</li> <li>8", 10" &amp; 12" repairs (8"x 4mm tubes)</li> </ul>	
Sizes available (in.)	<ul style="list-style-type: none"> <li>6" x 3mm tube</li> <li>8" x 4mm tube</li> </ul>	<ul style="list-style-type: none"> <li>Recommended for 8" pipe repairs (non- transition)</li> <li>Recommended for 10" &amp; 12" repairs and transitions up from 8"</li> </ul>	
Coating	TPU		
<b>Resins</b>			
Light Ray UV Vinyl Ester	YES	Product comes pre-wet with this resin. <b>**May work with other resins but use of other resin voids warranty**</b>	
<b>Install Design</b>			
<b>** Typical Max Depth of Install (ft) for Structural Integrity</b>   <div style="border: 1px solid black; padding: 5px; display: inline-block;">DEPENDENT ON PIPE INSTALLATION CONDITIONS.</div>	8" → 3' 10" → 3' 12" → 3'	<b>WORST CASE:</b>	<ul style="list-style-type: none"> <li>Pipe ovality = 10%</li> <li>Very soft, uncompacted soil</li> <li>Flood plains &amp; High-Water Table</li> <li>Pipe Condition = Fully Deteriorated</li> </ul>
	8" → 13' 10" → 13' 12" → 12.5'	<b>TYPICAL CASE:</b> <i>(Fully Deteriorated)</i>	<ul style="list-style-type: none"> <li>Pipe ovality = 5%</li> <li>Moderately compacted soil</li> <li>10ft water table below surface</li> <li>Pipe Condition = Fully Deteriorated</li> </ul>
	8" → 20' 10" → 19' 12" → 18'	<b>TYPICAL CASE:</b> <i>(Partially Deteriorated)</i>	<ul style="list-style-type: none"> <li>Pipe ovality = 5%</li> <li>Moderately compacted soil</li> <li>10ft water table below surface</li> <li>Pipe Condition = Partially Deteriorated</li> </ul>
	8" → 24' 10" → 22' 12" → 21'	<b>BEST CASE:</b>	<ul style="list-style-type: none"> <li>Pipe ovality = 2%</li> <li>Highly compacted soil</li> <li>No water above pipe</li> <li>Pipe Condition = Partially Deteriorated</li> </ul>
Can be used across Transitions?	YES	Stretch must be accounted for when upsizing	
Install with Infiltration Allowed?	Not Recommended	High I&I situations may impact the structural integrity of any installed liner. <b>Contact representative to discuss specific application.</b>	
<b>Installation</b>			
Stretch Factor	<ul style="list-style-type: none"> <li>1.175 (17.5%)</li> <li>1.135 (13.5%)</li> <li>1.265 (26.5%)</li> </ul>	<ul style="list-style-type: none"> <li>Stretching 6" → 8"</li> <li>Stretching 8" → 10"</li> <li>Stretching 8" → 12"</li> </ul>	<div style="border: 1px solid black; padding: 5px;"> <b>** Multiply required patch length by value shown to determine liner cut length</b> </div>
Suitable Host Pipe materials		Cast iron, ABS, PVC, Orangeburg, Clay	
<b>Storage Guidelines</b>			
<ul style="list-style-type: none"> <li>Until time of use, leave liner in the UV protective film</li> <li>Do not expose to direct sunlight in storage</li> <li>Ideal storage temperature not to exceed 85°F</li> </ul>			

Please contact your representative at 1-866-336-2568 if you have any questions.

