

TECHNICAL DATA SHEET



EnviroCure UV[®]

PATENT PENDING

FEATURES AND BENEFITS

- Multi-layer, overlapping glass fiber liner cure creates high strength, thinner wall
- Pre-impregnated, installation ready up to 2,000 ft. (610 m)*
- Minimum 6-month shelf life in climate controlled environment
- Once cured, smooth inner surface improves flow capacity
- Easily bridge and accommodate offset joints and diameter changes
- **Flexible liner properties create “dimple” effect at service connections for easy location**
- Liner design has inherent 10% expansion
- EnviroCure UV is cured using ultra-violet light resulting in a faster cure and lower overall CO₂ emissions
- UV curing process allows for installation in a broad range environmental conditions

TYPICAL APPLICATIONS

EnviroCure UV Removable Inner Film

- **Round: 6” - 36” (150mm - 900mm)**

* Liner Length Chart

Diameter	Max. Length	Crate / Crate Size
6"	2000'	36" Standard / 84" x 66" x 47"
8"	2000'	36" Standard / 84" x 66" x 47"
10"	2000'	36" Standard / 84" x 66" x 47"
12" up to 3.2mm	1000'	36" Standard / 84" x 36" x 46"
12" over 3.2mm	1000'	72" Crate / 84" x 72" x 46"
14"	Available upon request.	
15"	1000'	72" Crate / 84" x 72" x 46"
18"	500'	72" Crate / 84" x 72" x 46"
21"	500'	72" Crate / 84" x 72" x 46"
24"	500'	72" Crate / 84" x 72" x 46"
27" under 7mm	500'	Inquire about crate size
27" over 7mm	350'	Inquire about crate size
30" under 7mm	500'	Inquire about crate size
30" over 7mm	350'	Inquire about crate size
36" under 7mm	500'	Inquire about crate size
36" over 7mm	350'	Inquire about crate size

EnviroCure UV[®] For Gravity Sewers

DESCRIPTION

Designed for gravity sewers with multiple laterals, EnviroCure UV possesses flexible liner properties that allow for a “dimple” effect at the service connections once cured. In addition, the liner’s multi-layered, overlapping, construction can achieve high strength with a thinner wall.

EnviroCure UV is delivered to the jobsite pre-impregnated with resin and ready for installation. This feature, combined with a faster and more efficient UV curing process, leads to improved QA/QC, lower job costs, smaller equipment footprint and reduced CO₂ emissions during installation. EnviroCure UV liners conform to both ASTM F2019 and F1216.

Anatomy of EnviroCure UV CIPP Liners

ENVIROCURE UV

Features 4 layers of material, which are overlapped to provide maximum strength. This multi-layer construction consists of:

1. **Inner Film, Removable**
2. **Fiberglass/Felt**
3. **Fiberglass**
4. **Outer Film - UV Protective Layer**



TYPICAL MATERIAL PERFORMANCE & PHYSICAL PROPERTIES

EnviroCure UV[®]			
APPLICATION TYPES			
GRAVITY PIPE & CULVERTS			
Round: 6 in. - 36 in. (150mm - 900mm)			
REINFORCEMENT MATERIAL			
Stitched, multiaxial ECR glass			
RESIN: HIGH MOLECULAR WEIGHT UV CURABLE POLYESTER			
Test	Unit of Measure	Nominal	Test Methods
Flexural Strength	psi/MPa	20,000/135	ASTM D790
Flexural Modulus	psi/MPa	1,500,000/10,300	ASTM D790
Flexural Creep Retention (62.8%)*	psi/MPa	942,000/6,495	ASTM D2990
Heat Distortion Temp.	°F/°C @264 psi	248/120	ASTM D648
Barcol Hardness	—	48	ASTM D2583
GLASS FIBRE CONTENT ACCORDING TO ISO 1172 (MASS RELATED)			
50% (±5%)			
GLASS WEIGHT PER UNIT AREA (EACH MM STRUCTURAL WALL THICKNESS/LAMINATE)			
1112 g/m ² (+/- 10%)			

*Based on completed 10,000-hour flexural creep retention of 62.8%.

