



AM-LINER II®

the trenchless, manhole to manhole
sewer pipeline rehabilitation
system

American Pipe & Plastics, Inc.



AM-LINER^{II}

Definition

AM-LINER^{II} is a cost effective trenchless technology system for the rehabilitation and improvement of wastewater and sewer lines.

The background is a dark blue gradient with several semi-transparent gears of various sizes scattered across it. On the left side, there is a vertical strip with a colorful, abstract, and textured pattern. A large, white, five-pointed star is positioned on the left side, partially overlapping the gear patterns.

AM-LINER^{II}

Patented PVC Material

The patented **AM-LINER^{II}** composition employs a specially formulated and well proven PVC material.

The background is a dark blue field with several large, semi-transparent gears of various shades of blue. On the left side, there is a vertical strip with a colorful, abstract pattern of orange, yellow, and brown. A large white five-pointed star is positioned in the upper left quadrant, partially overlapping the gear patterns.

AM-LINER^{II}

APPLICATIONS

- ★ **AM-LINER^{II}** is suitable for non-pressure sewer and waste water applications.
- ★ Nominal diameters from 6” to 12”.
- ★ Available in SDR 32.5 and SDR 26.



AM-LINER™



AM-LINER™
repairs broken
and damaged
host pipe.



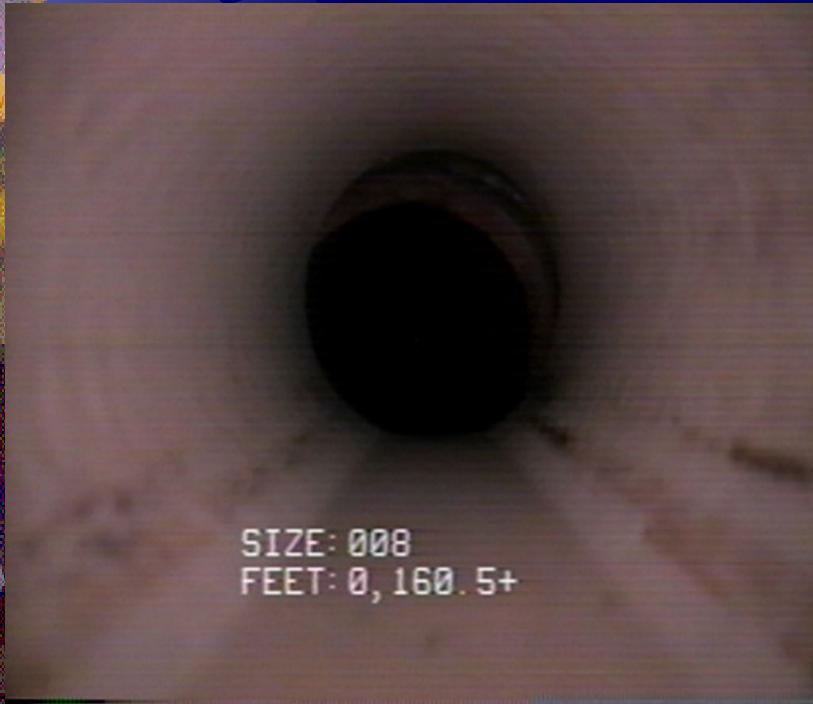
AM-LINER[®]



Once installed **AM-LINER[®]** is a smooth, structural, chemical resistant lining, which impedes further degradation of the host pipe.



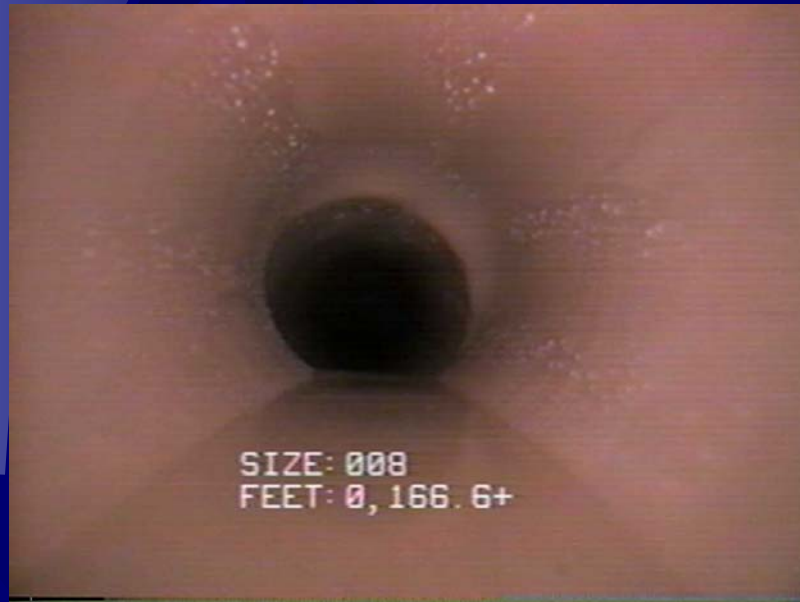
AM-LINER^{II}



The outstanding thermoforming properties of **AM-LINER^{II}** enable the liner to transition smoothly through offset joints.



AM-LINER^{II}



AM-LINER^{II}
transitions smoothly
through the offset
joint.



AM-LINER^{II}



The same thermoforming properties enable the liner to form through bends in excess of 30 degrees.

The background is a dark blue gradient with several large, semi-transparent gears of various shades of blue and grey. On the left side, there is a vertical strip with a colorful, abstract pattern of orange, yellow, and brown. A large, white, five-pointed star is positioned in the upper left quadrant, partially overlapping the gear patterns.

AM-LINER^{II}

Advantages

- ✦ Trenchless Technology
- ✦ Economical
- ✦ Quality
- ✦ Trained Installers
- ✦ Eliminates Joints
- ✦ Corrosion Resistant
- ✦ Structural
- ✦ Improves Flow

AM-LINER^{II}



Trenchless Technology



The alternative to
trenchless
technology.

AM-LINER^{II}



Trenchless Technology



Minimal traffic
disruption.

AM-LINER^{II}

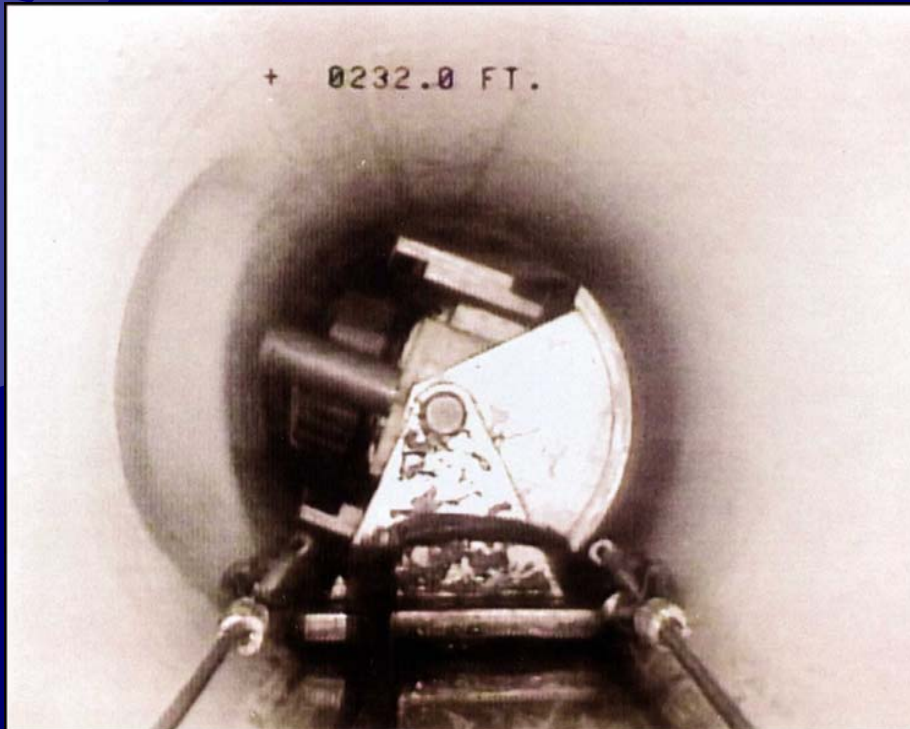
Trenchless Technology



No excavation.
Installed through
existing manholes.

AM-LINER^{II}

Trenchless Technology



Services are reinstated using robotic technology.



AM-LINER^{II}

Economical

- ✦ Short installation time
- ✦ Less fuel consumption
- ✦ Less bypassing
- ✦ Minimal traffic control
- ✦ Less inconvenience

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Quality



- ★ **AM-LINER^{II}** is manufactured in a controlled environment and not in the field.
- ★ The liner is inspected by trained Quality Control personnel prior to shipment.

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Quality



The physical properties of the liner are tested in accordance with ASTM standard testing procedures prior to shipment to insure compliance with ASTM F 1871 (Standard Specification for Folded/Formed Poly (Vinyl Chloride) Pipe Type A for Existing Sewer and Conduit Rehabilitation).

AM-LINER[®]

Trained Installers



AM-LINER[®] is installed by trained licensed contractors.



AM-LINER^{II}

Eliminates Joints



When installed, the liner is continuous from manhole to manhole.

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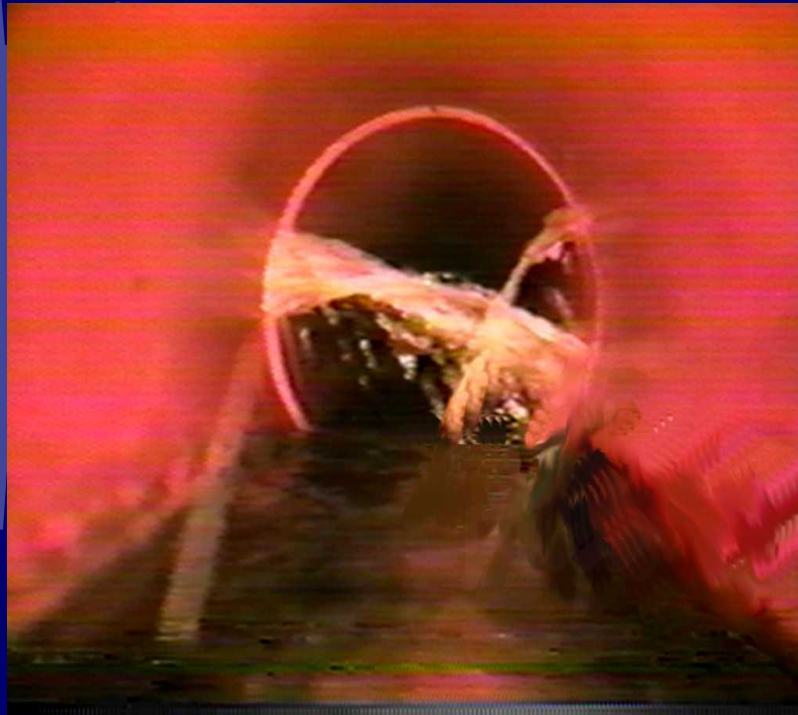
Eliminates Root Intrusion



Eliminates root intrusion by cutting off the nutrient source to the root.

AM-LINER[®]

Eliminates Joints



- ★ **AM-LINER[®]** eliminates joints and therefore stops the flow of ground water and sediment into the pipe.
- ★ Eliminates exfiltration.

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Corrosion/Chemical Resistant



- ★ **AM-LINER^{II}** is resistant to all chemicals found in normal sewer effluent.
- ★ The chemically resistant **AM-LINER^{II}** material stops damage to the host pipe caused by hydrogen sulfide gas.

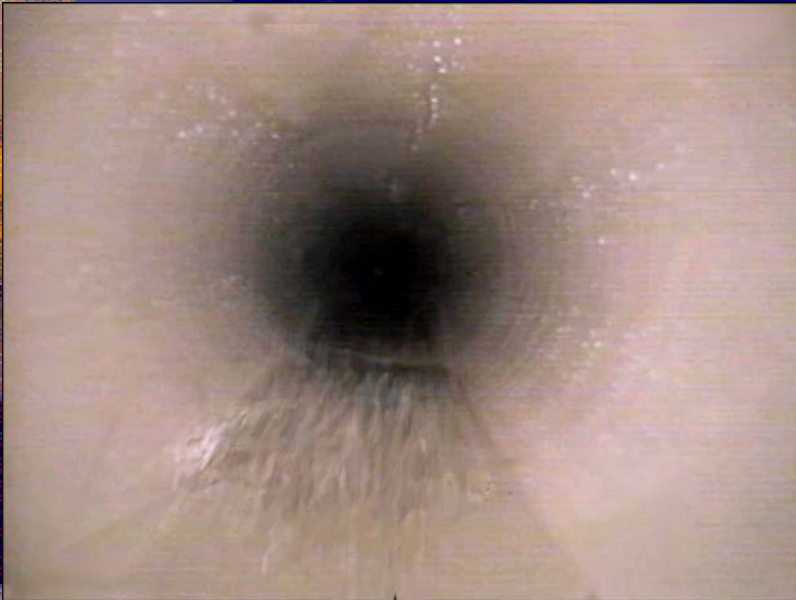
AM-LINER^{II}

Structural

- ✦ Design calculations by a Professional Engineer are based on fully deteriorated host pipe conditions.
- ✦ The liner is designed as a stand alone pipe.

AM-LINER^{II}

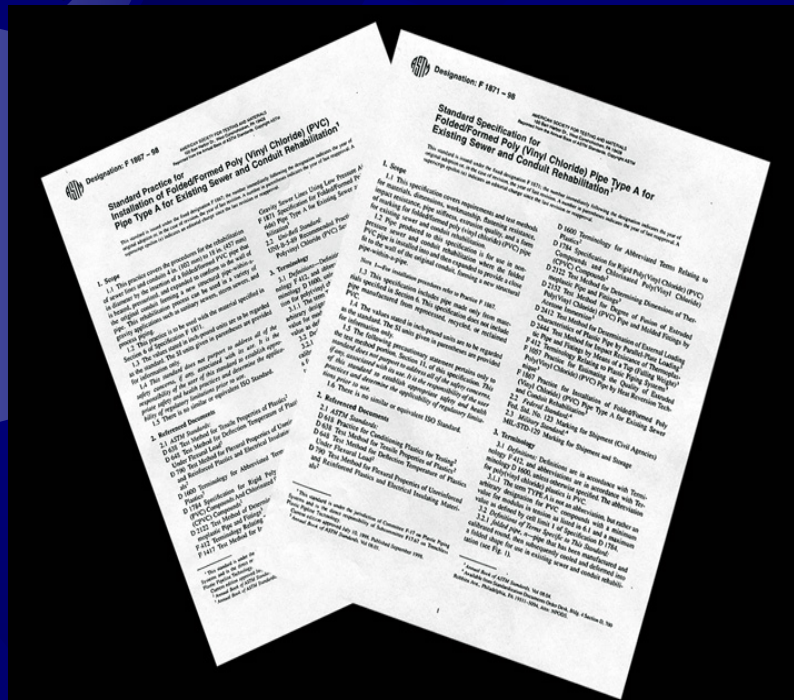
Improves Flow



The combination of a low Manning Coefficient, no joints and smooth transitions through offsets allow an increase in flow through the lined pipe.

AM-LINER^{II}

Standards



ASTM F-1867 Standard Practice for Installation of Folded/Formed Poly (Vinyl Chloride) (PVC) Pipe Type A for Existing Sewer and Conduit Rehabilitation.

ASTM F-1871 Standard Specification for Folded/Formed Poly (Vinyl Chloride) Pipe Type A for Existing Sewer and Conduit Rehabilitation.

AM-LINER^{II}

Standards



**“GREENBOOK”
STANDARD
SPECIFICATION
FOR
PUBLIC WORKS
CONSTRUCTION**

Meets APWA,
STANDARD
SPECIFICATIONS FOR
PUBLIC WORKS
CONSTRUCTION,
“GREENBOOK”
Section 500-1.10.3

AM-LINER^{II}


Warranty



Return to News Data Sheet

AM-LINER^{II}

the trenchless, manhole-to-manhole sewer pipeline rehabilitation system




- AM-LINER II is manufactured from a polyethyl chloride compound specially formulated for pipeline rehabilitation.
- AM-LINER II is resistant to all normal sewer effluents due to the superior chemical and flame resistant properties of polyethyl chloride.
- AM-LINER II is manufactured to SDR 32.5 and SDR 26 to fit sewer pipe from 6-inch to 12-inch diameter.
- AM-LINER II conforms to ASTM Standards F-1067 and F-1071.

Physical Properties

Coefficient of Linear Thermal Expansion*	ASTM-1366 4.17 e- 03"/in./°F
Tensile Strength	ASTM-1303 3600 PSI Min.
Tensile Modulus	ASTM-1303 155,000 PSI Min.
Tensile Elongation	ASTM-1303 15.0% Min. Flexed
Strength	ASTM-1330 4,900 PSI Min.
Flame Retardance	ASTM-1276 145,000 PSI Min.
Specific Gravity	ASTM-1302 1.28
1200 in. pack	ASTM-1326 1.27 ft. Max. Min.
Drilliness Point	ASTM-1374 32.9 °F

* Tested using 20 Compression, molded sample.

AM-Liner II is manufactured by American Pipe & Plastics, Inc.
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Web Site: www.amliner.com



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AMERICAN PIPE & PLASTICS, INC. warrants its **AM-LINER^{II}** product for 10 years from the date of manufacture as to the materials and minimum physical properties specified on our **AM-LINER^{II}** data sheet.



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