



PRO LINER®

ANHUI PRO-LINER PIPELINE REPAIR TECHNOLOGY CO., LTD.

FOUNDED IN 2015, ANHUI PRO-LINER PIPELINE REPAIR TECHNOLOGY CO.,LTD. IS A NATIONAL SPECIALIZED, SOPHISTICATED, DISTINCTIVE, AND INNOVATIVE "LITTLE GIANT" ENTERPRISE AS WELL AS A HIGH-TECH ENTERPRISE. FOCUSED ON THE R&D, PRODUCTION AND SALES OF UV-CIPP (ULTRAVIOLET CURED-IN-PLACE PIPE) LINERS AND UV CURING SYSTEMS, WE ARE ONE OF THE FIRST ENTERPRISES TO ACHIEVE INDUSTRIAL MASS PRODUCTION OF UV-CIPP LINERS IN CHINA. MEANWHILE, WE HAVE OBTAINED ISO INTERNATIONAL STANDARD CERTIFICATION, CE CERTIFICATION, TÜVRHEINLAND® AND WRC APPROVED® CERTIFICATION, WHICH NOT ONLY VALIDATE THE STANDARDIZATION OF OUR PRODUCTION AND MANAGEMENT SYSTEMS, BUT ALSO CONFIRM THAT OUR PRODUCTS MEET THE CORE QUALITY AND COMPLIANCE REQUIREMENTS OF THE INTERNATIONAL MARKET, PROVIDING RELIABLE PRODUCT QUALITY ASSURANCE TO CUSTOMERS WORLDWIDE.

UV-CIPP Liner for Potable Water Pipe



PRODUCT INTRODUCTION

Our UV-CIPP Liner for Potable water Pipe is a well-established standout in the UV-CIPP industry, lauded for its effortless installation and contractor-centric design. Boasting a lightweight and flexible build, it is uniquely suited for confined workspaces and complex site conditions—where precision and construction efficiency are paramount. Its advanced UV curing system enables rapid on-site installation with minimal operational downtime, which in turn reduces labour requirements, streamlines project delivery timelines and minimises disruptions to local communities. For contractors, this translates to lower installation costs.

Purpose-built for structural rehabilitation of drinking water pipelines, and made with certified materials and state-of-the-art GRP technology, it ensures the safe, hygienic and durable operation essential to potable water systems. Its precision engineering enables full compliance with, and even exceeds, the highest industry benchmarks for water quality, pressure resistance and long-term reliability.

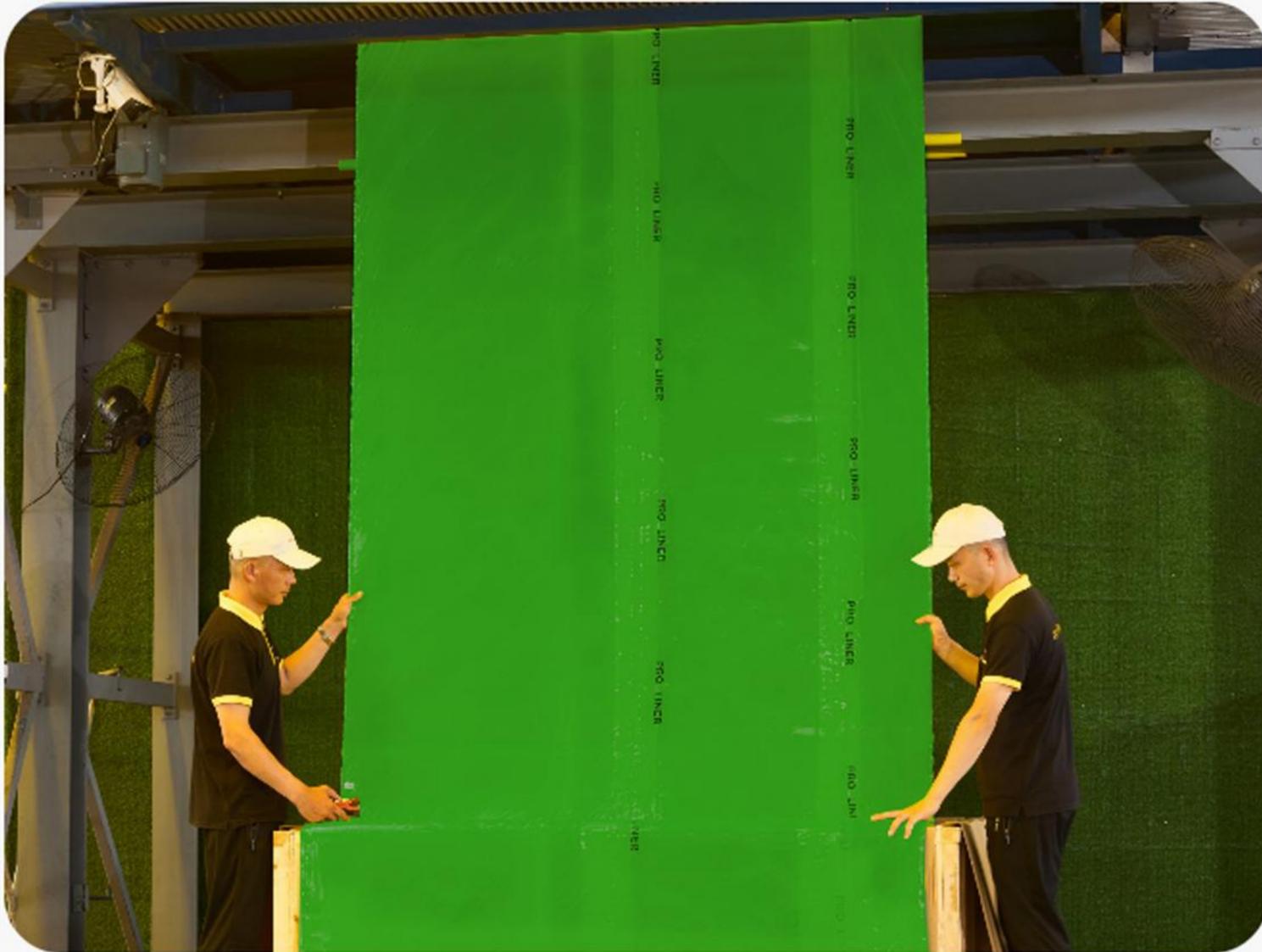
Manufactured with materials that conform in full to international drinking water standards, encompassing the core requirements for hygienic performance, toxicological safety and long-term aqueous contact stability. Each constituent component is subject to third-party independent testing and formal approval, in accordance with stringent regulatory specifications, to validate end-user safety and complete compatibility with potable water supply systems. With its established UV-CIPP technology already implemented in drinking water pipeline networks worldwide, we provide water utilities with a reliable, hygienically certified and regulation-compliant remediation solution for critical drinking water infrastructure assets.



Our UV-CIPP Liner for Potable water Pipe is a fully structural pipeline rehabilitation system, engineered to restore the mechanical strength and hydraulic flow capacity of degraded host pipes – with zero reliance on the original pipe structure. Designed to align with international pressure-rated liner standards, it delivers independent, standalone structural performance even for severely deteriorated pipelines. This achieves long-term asset renewal and extends the pipeline's service life by decades, all without the need for excavation or full pipe replacement.



Advantage



- Less trenchless, environmentally friendly
- Less pre-processment
- Short construction period
- Liner range DN200 to DN1200
- For single repair, Max length 300 meters
- Repairable pipe sections with elbows, with no more than two elbows per single section
- Compared to the lamination method, it requires only one curing process; compared to thermal curing, the inner liner exhibits higher mechanical performance
- Rated pressure:1.6 MPa
- Comply with potable water certification standards

Technical Specifications

	BH200	Test standard
Diameter	DN300-DN1200	GB/T 8806-2008
Thickness(mm)	4.3mm ~ 12.3mm	GB/T 8806-2008
Short-term E-modulus(N/mm ²)	>13000	T/CECS 559-2018
Short-term Flexural strength (N/mm ²)	>300	T/CECS 559-2018
Tensile strength(N/mm ²)	>100	T/CECS 559-2018
Water tightness	no leakage	T/CECS 559-2018
Withstand Rated Pressure (MPa)	1.6	/
UV Wavelength(nm)	365~420	/
Health and safety of liner	Comply with specification requirements	Got hygienic and security approval

Composition

01. Outer film (UV protection film)

Isolate ultraviolet rays from sunlight to prevent material curing.

02. External Fleece Layer

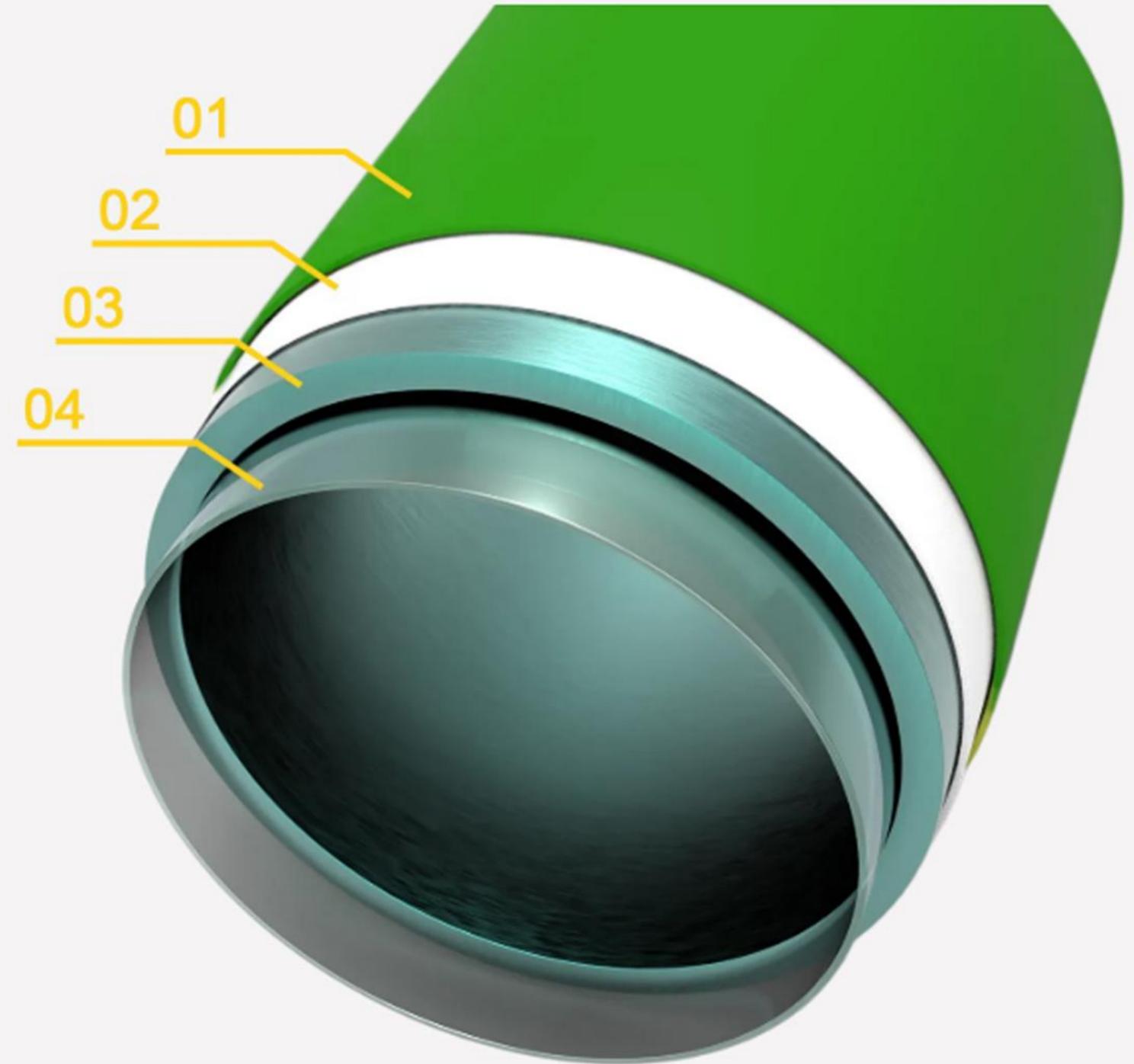
Prevent groundwater infiltration and protects the fiberglass layer.

03. Glass fiber impregnated with resin

The liner's primary structural layer delivers robust acid and alkali corrosion resistance, and yields exceptional strength and toughness upon curing.

04. Inner foil

It is in direct contact with the fluid and features excellent light transmittance, facilitating the penetration of ultraviolet light.

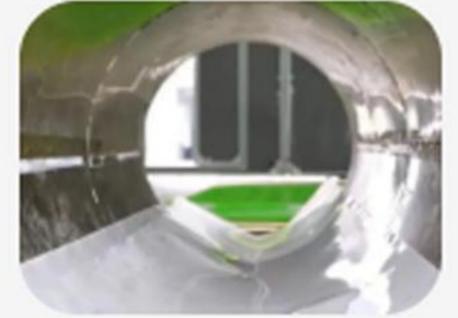


UV-CIPP (Cured In-Place Pipe) liner Rehabilitation Construction Process



Glide foil installation

Install the pulley, lay the glide foil.



Liner Pulling and packer installation

Pull in the liner, and tie the packer.



Entry of UV light train

Inflate and pressurize, lower the light train.



UV-CIPP (Cured In-Place Pipe) liner Rehabilitation Construction Process



UV Light Curing Control

Inflate, turn on the light to cure.



Treatment of Pipe end

Cut the packer, and grind the pipe and liner end flat.



CCTV Inspection

Recheck the pipe, and clean up the site.



Transport, Packaging and Service

Pro-liner UV-CIPP liners are meticulously packed and shipped in custom-engineered transport boxes, which are specially designed to deliver enhanced physical protection, effectively shielding the liners from extrusion, impact, moisture and other potential damages during long-distance international transportation, and ensuring that the products reach you in intact, factory-fresh condition.

Beyond reliable packaging and delivery, we also offer comprehensive, one-stop logistics support tailored to your needs: our professional team stands by to provide full assistance with all procedures related to customs clearance and import formalities for your destination country, including document preparation, regulatory compliance confirmation, and real-time follow-up on clearance progress. We strive to streamline the entire import process, eliminate potential logistics hurdles, and ensure a smooth, hassle-free delivery of your UV-CIPP liner orders from our factory to your site.





PRO_LINER®

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Tel: +86 138 1006 7137

WhatsApp: +86 138 1006 7137

Email: info@pro-linertrenchless.com

Anhui Pro-liner Pipeline Repair Technology Co., Ltd.