

IAPMO RESEARCH AND TESTING, INC.

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CERTIFICATE OF LISTING



IAPMO Research and Testing, Inc. is a product certification body in which its product certification system includes inspection and testing of samples taken from the supplier's stock or from the market or a combination of both to verify compliance to the requirements of applicable codes and standards. This activity is coupled with periodic surveillance of the supplier's factory and/or warehouses as well as the assessment of the supplier's Quality Assurance System. This listing is subject to the conditions set forth in the characteristics below and is not to be construed as any recommendation, assurance or guarantee by IAPMO Research and Testing, Inc. of the product acceptance by Authorities Having Jurisdiction.

Issued To:

PERMA-LINER INDUSTRIES, LLC.

13000 AUTOMOBILE BLVD. SUITE 300 CLEARWATER, FL 33762 , United States

Product:

Rehabilitation of Existing Pipelines and Conduits by Pulled-in-Place Installation of Cured-in-Place Thermosetting Resin Pipe

Products are in compliance with the following code(s):

Uniform Plumbing Code (UPC®)

Products are certified to the following standard(s)

ASTM F1743-2017

File Number: 11497

Effective Date: November 2019

Void After: November 2024*


Chairman, Product Certification Committee



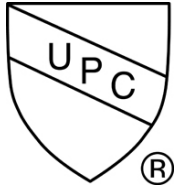

Chief Technical Service Officer

*This certificate is not evidence of current listing. To verify listing status, visit the IAPMO R&T Product Listing Directory at pld.iapmo.org

This listing period is based upon the last date of the month indicated on the Effective Date and Void After Date shown above. Any change in material, manufacturing process, marking or design without having first obtained the approval of the Product Certification Committee, or any evidence of non-compliance with applicable codes and standards or of inferior workmanship, may be deemed sufficient cause for revocation of this listing. Production of or reference to this form for advertising purposes may be made only by specific written permission of IAPMO Research and Testing, Inc. Any alteration of this certificate could be grounds for revocation of the listing. This document shall be reproduced in its entirety.

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Identification:

Product shall bear the manufacturer's name or trademark and the UPC® certification mark

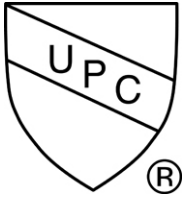
Characteristics:

Material and associated thermosetting resin manufactured for reconstruction of pipelines and conduits (3" to 96") by the pulled-in-place installation of a resin impregnated flexible fabric tube into an existing conduit, and secondly inflated through the inversion of calibration hose by the use of hydrostatic head or air pressure. For replacement of existing sewers only. Manufactured in accordance with the requirements of the Uniform Plumbing Code. To be installed in accordance with the requirements of the manufacturer's installation instructions

Products listed on this certificate have been tested by an IAPMO R&T recognized laboratory. This recognition has been granted based upon the laboratory's compliance to the applicable requirements of ISO/IEC 17025.

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Models

Model Number
PL-PIP