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Re: Perma-Liner™ Warranty Information

Perma-Liner™ conducts 3rd party testing on all materials supplied. Our independent testing labs are as follows:

HTS, Inc. Consultants
416 Pickering Street
Houston, Texas 77091
Tel: 713-692-8373

NSF International
789 Dixboro Road
P.O. Box 130140
Ann Arbor, MI. 48113-0140
Tel: 734-769-8010

HTS provides 3rd party testing in compliance with specification ASTM F1216 for installation and minimum physical properties required. This testing is conducted at a minimum of 1 time per each year.

NSF provides 3rd party testing in compliance with specification ASTM F1216 and NSF Standard 14 for Plumbing Code requirements. This testing is performed every 6 months.

Perma-Liner™ materials are tested in house per batch. This is required by NSF and IAPMO as per our Quality Assurance Programs. All records for batch testing are reviewed on site by NSF and IAPMO representatives on unannounced visits to our facility in Clearwater, Florida. The Quality Assurance is required in order to have NSF 14 and IAPMO certification and usage marks on our materials.

IAPMO Research and Testing, Inc.
5001 E. Philadelphia Street
Ontario, CA. 91761-2816
Tel: 909-472-4100

ASTM F1216 testing of materials provides a minimum design life of 50 years. This specification was based on Polyester Resin. Perma-Liner™ does not use Polyester Resins. Epoxy Resins are used in the Perma-Liner™ products. The Epoxy formulation does not allow creeping or shrinking as does Polyester Resins. Our Epoxy Resins contain no styrene and the formulation is environmentally safe.

Perma-Liner™ Epoxy Resins are much stronger and provide better chemical resistance than Polyester Resins. The actual design life is much higher for our Epoxy Resins. We have been told by engineers the design life is 80 years plus.

Based on our 3rd party testing and design life per ASTM F1216, Perma-Liner™ will provide the following warranty:

In the event the materials provided by Perma-Liner™ fail during a time frame of 50 years from documented installation date, under normal **Sanitary Sewer Conditions. All materials provided by Perma-Liner™ will be replaced at no charge. Only materials that have failure due to manufacturing malfunction will be replaced by Perma-Liner™.

Perma-Liner™ does not warrant workmanship provided by our independent installers. Any warranty on workmanship or cost associated with replacing original host pipe should be provided by the installer.

At the time of failure, Perma-Liner™ will require a section of the failed liner to be shipped to HTS Labs in Houston, Texas for 3rd party independent testing. All results will be accepted by both parties (Perma-Liner™ and installer).

A portion of liner and resin may be required from the same batch as the failed liner originated. This may not be available. Suggest all batch numbers from Liner, Calibration Tubing, and Both A & B Resins be clearly marked on original install sheet and filed for the installers records.

Please don't hesitate to call me if you have any questions.

Sincerely,

Jerry S. D'Hulster
President

** Normal sanitary sewer conditions is defined as human waste, soaps, washing detergents, & normal hot water heater temperatures. Chemicals found in common drain cleaners such as sulfuric and caustic acids, and temperatures exceeding 170 degrees Fahrenheit may void all warranties.