

Listing Agencies and Compliance Codes & Standards

As you are aware, Nu Flow carries various certifications from listing agencies throughout the world for some of its products. With ongoing changes, we decided to put together a document outlining the certifications of our primary products - Nu Flow System 2000 (Nu Drain) and Nu Flow System 7000 (Nu Line) in North America. This document will provide helpful information on each certificate with associated compliance codes and applicable standards for each product.

Nu Flow System 7000 (Nu Line)

Some of you are aware that this product was engineered by the Naval Research Laboratory (NRL). This product complies with requirements outlined in NSF/ANSI/CAN-61, Section 5.

NSF-61 Section 5 is dedicated to “Barrier Materials” and *“the requirement of this section apply to products and materials intended to form a barrier providing containment of drinking water or to prevent drinking water contact with another surface.”*

Nu Flow currently utilizes Truesdail Laboratories, LLC for testing and certifying Nu Flow 7000 Epoxy against NSF/ANSI/CAN-61, Section 5. Truesdail Laboratories, LLC provides the same service as Underwriters Laboratories (UL) and National Sanitary Foundation (NSF).

Listing Agencies & File Numbers

ALS-Truesdail Laboratories, LLC

- File No. 438
- File No. 496

International Association of Plumbing and Mechanical Officials (**IAPMO**)

- File No. 4836

International Code Council – Evaluation Services (**ICC-ES**)

- File No. PMG – 1020
- File No. PMG – 1532 (*Fire Sprinkler Piping Systems*)

Weblinks certificates:

<https://www.truesdail.com/truecertificateadmin/pdf/certificate/certificate1.php?id=438>

<https://www.truesdail.com/truecertificateadmin/pdf/certificate/certificate1.php?id=496>

http://pld.iapmo.org/file_info.asp?file_no=0004836

<https://icc-es.org/report-listing/pmg-1020/>

<https://icc-es.org/report-listing/pmg-1532/>

Compliance Codes

Uniform Plumbing Code® (UPC)
International Plumbing Code® (IPC)
International Residential Code® (IRC)
International Fire Code® (IFC)
International Building Code® (IBC)
California Plumbing Code® (CPC)
California Building Code® (CBC)
California Residential Code® (CRC)

Compliance Standards

NSF/ANSI/CAN-61, Section 5-2018, *Drinking Water System Components – Health Effects*.

IAPMO IGC-189 (R2014), *Internal Pipe Epoxy Barrier Coating Material for Application in Pressurized (Closed) Water Piping Systems*.

ASTM F2831-2019, *Internal Non Structural Epoxy Barrier Material Used in Rehabilitation of Metallic Pressurized Piping Systems*.

LC1008-2009, *Listing Criteria for Internal Epoxy Barrier Pipe Coating Material for Water Supply Systems*.

ASTM D4541-2017, *Standard Test Method for Pull-off Strength of Coatings Using Portable Adhesion Testers*.

AWWA C210-2015, *Liquid-Epoxy Coating System for the Interior and Exterior of Steel Water Pipelines*.

ICC-ES LC1043-2018, *Listing Criteria for Internal Epoxy Barrier Pipe Coating Material for above Ground Fire Sprinkler Systems*.

Related Standards

ASTM D638, *Standard Test Method for Tensile Properties of Plastics*

ASTM D3359, *Standard Test Methods for Rating Adhesion by Tape Test*

ASTM D3363, *Standard Test Method for Film Hardness by Pencil Test*

Nu Flow System 2000 (Nu Drain)

Nu Flow System 2000 (Nu Drain) complies with ASTM F1216, ASTM F1743 and NSF-14. For clarification, NSF-14 is a standard and not a certificate or listing. IAPMO certified Nu Flow

System 2000 as meeting the requirements outlined in NSF-14 and added this compliance standard our current listings.

Listing Agencies & File Numbers

International Association of Plumbers (**IAPMO**)

- File No. 9805
- File No. 10078
- File No. 10506

International Code Council – Evaluation Services (**ICC-ES**)

- File No. PMG - 1147

Weblinks to certificates:

http://pld.iapmo.org/file_info.asp?file_no=0009805

http://pld.iapmo.org/file_info.asp?file_no=0010078

http://pld.iapmo.org/file_info.asp?file_no=0010506

<https://icc-es.org/report-listing/pmg-1147/>

Compliance Codes

Uniform Plumbing Code® (**UPC**)

International Plumbing Code® (**IPC**)

International Residential Code® (**IRC**)

National Plumbing Code of Canada® (**NPC**)

Compliance Standards

NSF/ANSI 14-2018, *Plastic Piping System Components and Related Materials.*

ASTM F1216-2016, *Standard Practice for Rehabilitation of Existing Pipelines and Conduits by Inversion and Curing of a Resin-Impregnated Tube.*

ASTM F1743-2017, *Standard Practice for Rehabilitation of Existing Pipelines and Conduits by Pulled-in-Place of Cured-in-Place Thermosetting Resin Pipe (CIPP).*

ICC-ES LC1011-2010, *Listing Criteria for Rehabilitation of Existing Building Drains and Building Sewers by the Inversion and Curing of Resin-impregnated Tube.*

Related Standards

ASTM D543, *Standard Practices for Evaluating the Resistance of Plastics to Chemical Reagents.*

ASTM D638, *Standard Test Method for Tensile Properties of Plastics.*

ASTM D790, *Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.*

ASTM D5813, *Standard Specification for Cured-In-Place Thermosetting Resin Sewer Piping Systems.*