

Neofit[®]+Plus

Expandable Pressure Pipe



NEOFIT[®]+PLUS
Expandable Pressure Pipe



NSF/ANSI 61 Certified

Neofit® can be found on the NSF website's Certified Products and Systems under:

- NSF/ANSI/CAN 61 - Drinking Water System Components: Protective (Barrier) Materials
- NSF/ANSI 372 - Drinking Water System Components - Lead Content

Neofit is thoroughly tested by NSF annually

Result	PASS	Report Date	25-JAN-2021
Customer Name	Wavin Ltd.		
Tested To	NSF/ANSI/CAN 61		
Description	Neofit 1/2" X 48" ALUMINIUM PIPE lined and unlined		
Trade Designation	Neofit		
Test Type	Annual Collection		
Job Number	A-00360262		
Project Number	W0611164		
Project Manager	Natalia Trejmak		

Thank you for having your product tested by NSF International.

NSF/ANSI 61 testing covers all products with drinking water contact from source to tap, and determines what contaminants may migrate or leach from your product into drinking water. It also confirms if they are below the maximum levels allowed to be considered safe.

What is Neofit? - The Basics

Neofit® (Virgin PET: Polyethylene Terephthalate) is a cost-effective, trenchless, non-invasive, semi-structural piping system for existing water service lines. Neofit® helps maintain the existing service pipe by creating a barrier inside the existing pipe, not by replacement. The Neofit pipe protects potable water in existing lead or copper service piping, extends the existing service pipe's life, or can seal leaks and pinholes. Because of the smooth PET material of the pipe, flow capacity is not negatively effected. **Designed for ½” to 2” ID and up to 300ft sections.**



U.S. Patent No. 8,807,171

The Neofit expandable pressure pipe comes in rolls of:

7mm - ½”

10mm - ¾”

15mm - 1”

20mm - 1-1/2”+

Neofit Extreme Testing

1) 150psi Leak Test



Neofit® installed in PEX tubing with 3/8 inch holes in the PEX every 8-12 inches. The fittings used were compression style with the Neofit® pipe flanged at each end. This would represent an extreme leaking water service lining installation. The Neofit® lined pipe was pressurized to 150 psi and held for 48 hours with no leaks

2) 460psi Burst Test, Expanded Stand Alone



Stand-alone Neofit® burst test as per ASTM D1599 for pressure testing of structural piping. The stand-alone Neofit® burst at 460 psi. Neofit® is not intended to be a stand alone pipe, this test is merely to prove the strength of the pipe material.

Neofit Extreme Testing

3) Expanded Stand Alone Neofit® Stretched: Doubles Length



Tensile test of 10mm Neofit® expanded to 3/4" pipe size. Results show a 2" section was stretched to 4" without any tearing or damage to the material. Again, this test is to prove the strength of the Neofit material

4) 105psi Burst Test, Expanded & Stretched Stand Alone Neofit® Under Pressure



Stretched and stressed 10mm Neofit from previous tensile test was capable of holding up to 105 PSI before bursting, as per ASTM D1599.

Full length testing videos can be found at <https://flow-liner.com/neofittesting>

What is Neofit?

PET

- * **Chemistry** - Virgin PET Only- The Neofit® pipe is made of PET (polyethylene terephthalate), the same material as the common water bottle, but manufactured much stronger (X4) and tested to a minimum 50+ year life expectancy. Neofit® only uses *virgin PET*, as opposed to recycled PET, which is becoming more frequently used in other markets due to the resilience of virgin PET that causes further issues in for the environment, i.e. landfills.
- * **Recycled PET** has been used for soda and water bottles since the early 1980s with no reports of any short term or long term health issues to humans.
- * **Long-term effectiveness of Neofit**
 - * Estimates compiled from the U.S. National Park Service, United States Composting Council and numerous other federal and state agencies, estimate plastic water bottles made of PET may last 500+ years in the landfills, an example of the long-term life expectancy of the material.
 - * While we fully expect the Neofit® PET pipe to endure well beyond the minimum life expectancy of 50 years, it is important to note that PE, as our most commonly used potable water pipe material, has the **exact same design life under ISO calculation**. Even PVC has similar life expectancies and they are not questioned. Large pipe companies, such as Charlotte pipe, have similar warranties with similar life expectancies as well.
- * **Medical Implants** - PET has been used in medical devices since the 1960s due to it's ability to remain sterile, flexibility, and ability to withstand the test of time. Zero evidence of harmful effects from virgin PET devices



What is Neofit?

PET

* Chemical concerns

- * **NSF 61** testing covers all products with drinking water contact from source to tap, and determines what contaminants may migrate or leach from your product into drinking water. It also confirms if they are below the maximum levels allowed to be considered safe.
- * **VOCs** - Volatile Organic Compounds are no issue for virgin PET, and the NSF certifications proves it. VOC contamination is top of the list for NSF testing, along with BPA.
- * **Chlorine** - Residual Free Chlorine & Free Chlorine Demand - Decreased with each exposure, according the Water Research Foundation
 - * Unlike coating technologies, there is minimal chlorine demand- Better than replacement! *“The chlorine demand exerted by the PET liners in this study was much lower than that observed in the control pipe sections”* (WRF)
- * **Plastic Leachates** - The concern with leachate is widely credited to recycled PET. Virgin PET has minimal risks of leachates. Specific leachates addressed were phthalate esters and phthalic acids; none were detected in any of the three fill-dump extractions done in the WRF report. In investigating further under extreme conditions, *“pieces of the liner were extracted with a 50:50 mixture of hexane and chloroform, with acetonitrile, and with a 10:90 mixture of methanol and water (10:90). These extractions also yielded no detection of phthalate esters or phthalic acids. The lack of leaching is likely attributable to the purity of the PET used in the liners.”*(WRF)

Neofit - Better for the Environment

- * Trenchless Technology reduces Green House Gas (GHG) emissions drastically
- * The below chart indicates the levels of GHG Emissions through the life of Neofit compared to the Open-cut method.

Life-cycle stage	GHG Emissions (kg CO ₂ _{eq} /15 m of replaced piping)	
	Neofit+	Open-cut
Manufacturing	11	113
Upstream Transport	0.08	0.64
Installation	153	1220
End-of-life	0.10	0.09
TOTAL	164	1334

- * It is anticipated that the reduction of GHGs will only increase as the depth and length of the pipe increases when using Neofit, which is the opposite for open-cut.

Neofit Progression

USA Learning Curve

First used in Europe in the early 1990s

Introduced to US in 2008 with its first pilot for Louisville Water in Kentucky

By 2017, US engineers recognizing the validity of Neofit for LSLs

Obtaining state approvals and ASTM Standard in 2018+

Present

Flow-Liner and Sanexen are working toward inclusion of “Trenchless Technologies” in the EPA’s LCR rewrite and securing approvals for Neofit to be included as a replacement option or part of replacement programs for water authorities throughout the US and Canada

LCR

- * While the LCR continues updates and revisions, we can draw the acceptability of trenchless technologies from the Strategies to Achieve Full Lead Service Line Replacement, released as an accompanying document to the LCR by EPA. Along with the Safe Drinking Water Act that urged water authorities to provide alternatives to replacement for their consumers.

Neofit Case Studies

- * France: over 200,000 services
- * In total, exceeding 2000 miles of Neofit rehabilitated service pipes
- * Netherlands, Belgium:
 - * Utilizing Neofit since 1995
- * Other countries from 2004 on:
 - * Germany, Austria, Australia, Japan
Norway, Malaysia, South Africa,
Ireland, UK



Neofit Case Studies

France

City	# of Services	Installer
Monbéliard	450	Generale des Eaux
Dole	200	SNCTP
Orléans/Chateaudun	300	SAUR
LaTour du Pin	300	Fournier TP
Vichy	200	CBSE
Cahors	300	Capraro & Dubreuilh
Chalons-in-Champagne	100	Nord Est TP
Lons-le-Saunier	100	Service des Eaux
Pontarlier	200	Sté Toubin



Alferink, F. (2009) Neofit Case Histories.

France



Neofit Case Study- Wessex Water Services

Wessex Water Services

- * Installation: Salisbury, United Kingdom, 1991
- * Pre Installation Lead Levels
 - * 75-110ppb
- * Post Installation Lead Levels
 - * Weekly to Month Sampling until 1993
 - * Oct 1991- June 1993
 - * 100% < 7ppb, 94% < 5ppb
 - * The Issue of outliers - testing can be affected by lead water in the main, and lead fittings and fixtures.
- * Wessex Water expressed in writing that the performance of the barrier had been very satisfactory since it was installed. (Elzink, 2018, Case Histories)
- * Note: Bacteriological colony counts recorded as low with no differences in comparisons to other homes on same supply source.



Neofit Case Study - ww

- * Local water supply Trinkwasserzweckverband Weißeritzgruppe (WVW) in Freital, Germany, installed Neofit in 1995.
- * As per date of this report (Elzink, 2018, Case Histories), and 23 years later the Neofit protected $\frac{3}{4}$ " lead service pipe is still in operation, with very satisfactory performance, supplying 140-160 m³/yr.
- * The water quality is monitored by WVW on a regular basis and made available to the end users. Lead content is one of the parameters registered and was < 1.0 ppb.



Neofit Case Studies-Louisville

In 2008, eight homes had Neofit® installed in their lead pipes. First flush ranged from 1.6 to 3.8µg/L (micrograms per liter), well below the action limit of 15µg/L. During the demonstration, the homes were supplied by CSLs and continued to be after the demonstration. Nearly eight years later, five of the LSLs could be revisited (Ball, 2016, Water Quality Sampling Results for Neofit® Lined Lead Drinking Water Service Lines). This is considered an extreme and unlikely situation and worst-case scenario given the water was stagnant for many years.



Neofit Case Studies-Louisville

Example of Outliers - Taking note of the 2520 job site, there is clearly an issue here. Seeing as it appears an outlier to the other results, it was investigated further and it was discovered that there were lead contaminated brass fittings used. After replacing the fittings, the lead level significantly dropped to similar levels as the other locations.

*Worst Case Scenario

*Stagnant & dormant for 8 years

*Isolated for 8 years

*Importance of Proper Fittings

*2520 Issue

*Same for replacement

PET / Neofit Extended Lead Barrier Effectiveness Study

Address	10/8/2008	4/3/2016	4/5/2016	4/14/2016
Stagnation time	Contact time	8 hours	48 hours	8 hours
	not recorded			
100 N. Birchwood Ave.	1.7	<1.0	<1.0	
101 N. Birchwood Ave.	1.6	2.0	2.0	
118 S. Birchwood Ave.	2.0	<1.0	<1.0	
120 S. Birchwood Ave.	3.8	<1.0	<1.0	
2520 Meadow Rd. *	1.6	15.0	10.0	<2.0

* Note: 4/3 and 4/5 sample events for 2520 Meadow determined to have been contaminated by lead from original brass fitting. This fitting was replaced for the 4/14/16 sampling event.

Welter, G. (2016) Pipe coating or lining as alternative strategies for lead service line replacement, 16.

Neofit+ Case Studies - North America

* Approval in Wisconsin and Iowa for Live-Installations

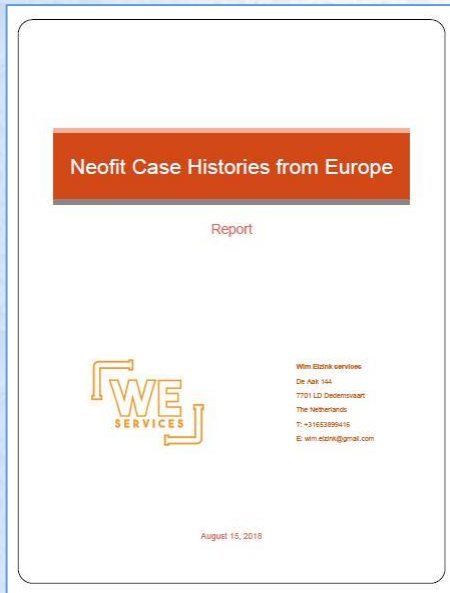
In a joint effort with SEH Inc. and LMK Technologies, Neofit® has successfully been installed in a Wauwatosa home with a 1" lead water line, approx. 45ft in length. The home was the winner of lottery drawn to fairly choose who would participate in this live demonstration for the state and WI DNR. Following a preview meeting for the state of Wisconsin in earlier months and receiving state approval shortly after, nearly 80 nearby water authorities observed the live installation. After the successful installation, lead level samples were taken.

Date, Description	Lead Level, Ug/L
10/9 Pre-Installation	8.6
10/26 Post-Installation	5.0
11/30 Final Post-Installation	4.4

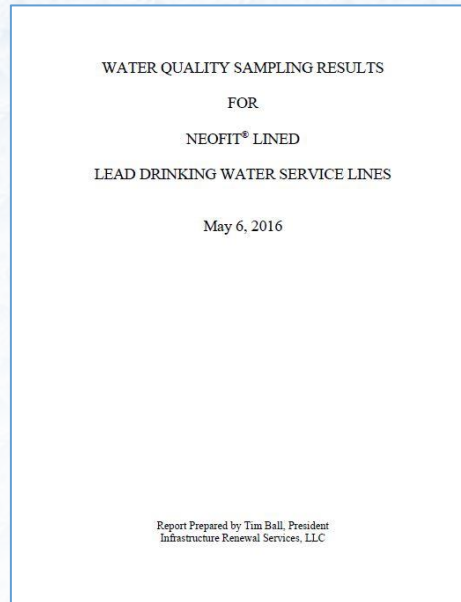
The first post-installation test indicated a decrease of lead levels by 42%. The final post-installation test showed a further drop in lead levels, up to a 49%.



Neofit References



For information on
Case Histories of
Neofit+.



For information on
Louisville Neofit+
Pilot.



For information on
flow capacity
effects of Neofit+.

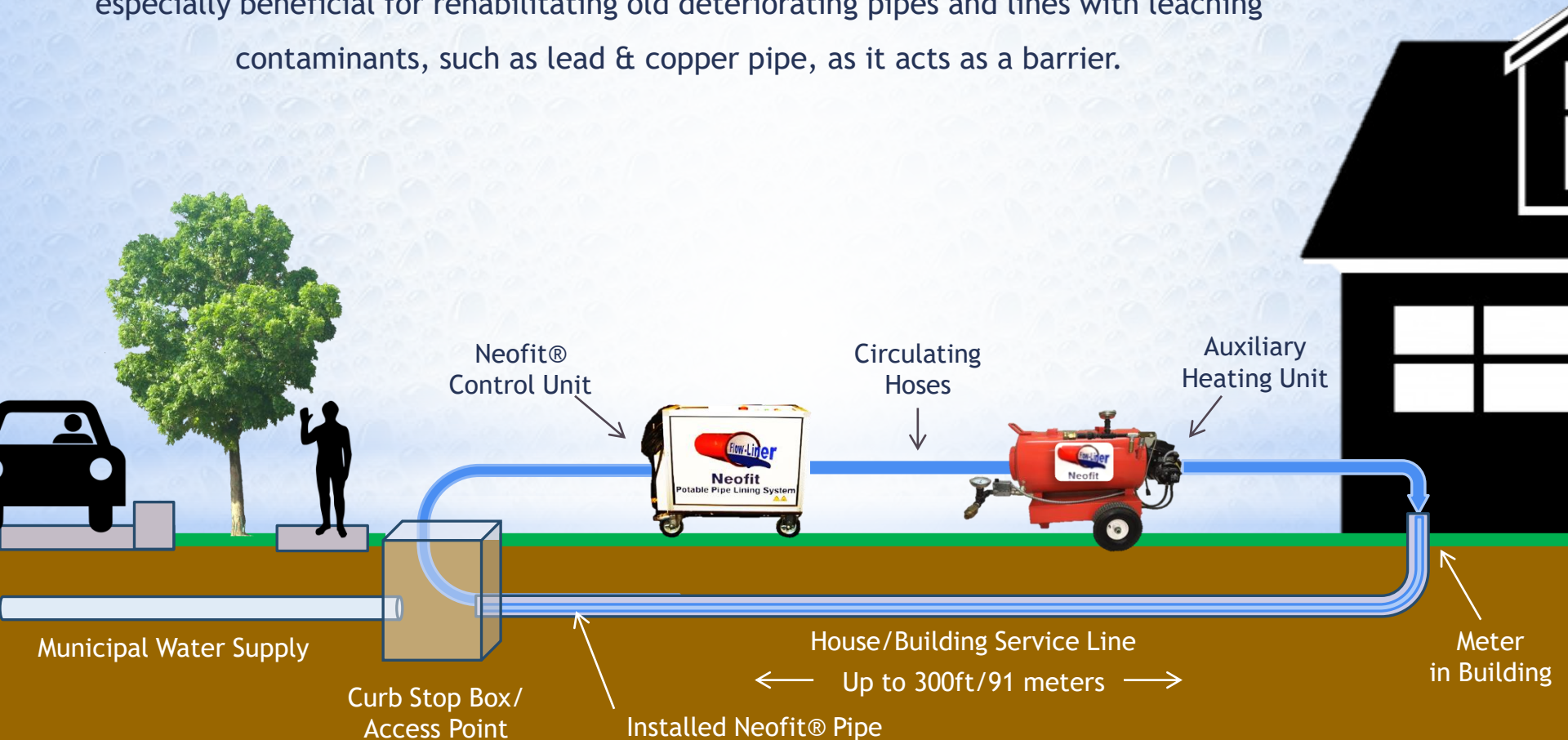
Neofit- Fittings

While Neofit® provides a complete barrier, it must also be paired with proper fittings. All connections must be lead free, as 2520 Meadow Rd demonstrates (Louisville). This situation is not a Neofit- only issue, same goes for any other type of rehabilitation. If any scale/sediment were to get into the pipe during installation, it would simply be flushed out during the first flush. Any traces of lead afterward would be due to the water being in contact with contaminates from the main or lead fittings/appliances elsewhere, not the PET pipe.



Neofit Basic Installation

The Neofit®+Plus System Is particularly suitable where alternative solutions prove to be disruptive, such as alongside other infrastructure, under road crossings, in congested ground with other utilities, and in customer properties under drives and gardens. It is also especially beneficial for rehabilitating old deteriorating pipes and lines with leaching contaminants, such as lead & copper pipe, as it acts as a barrier.



Neofit Timeline

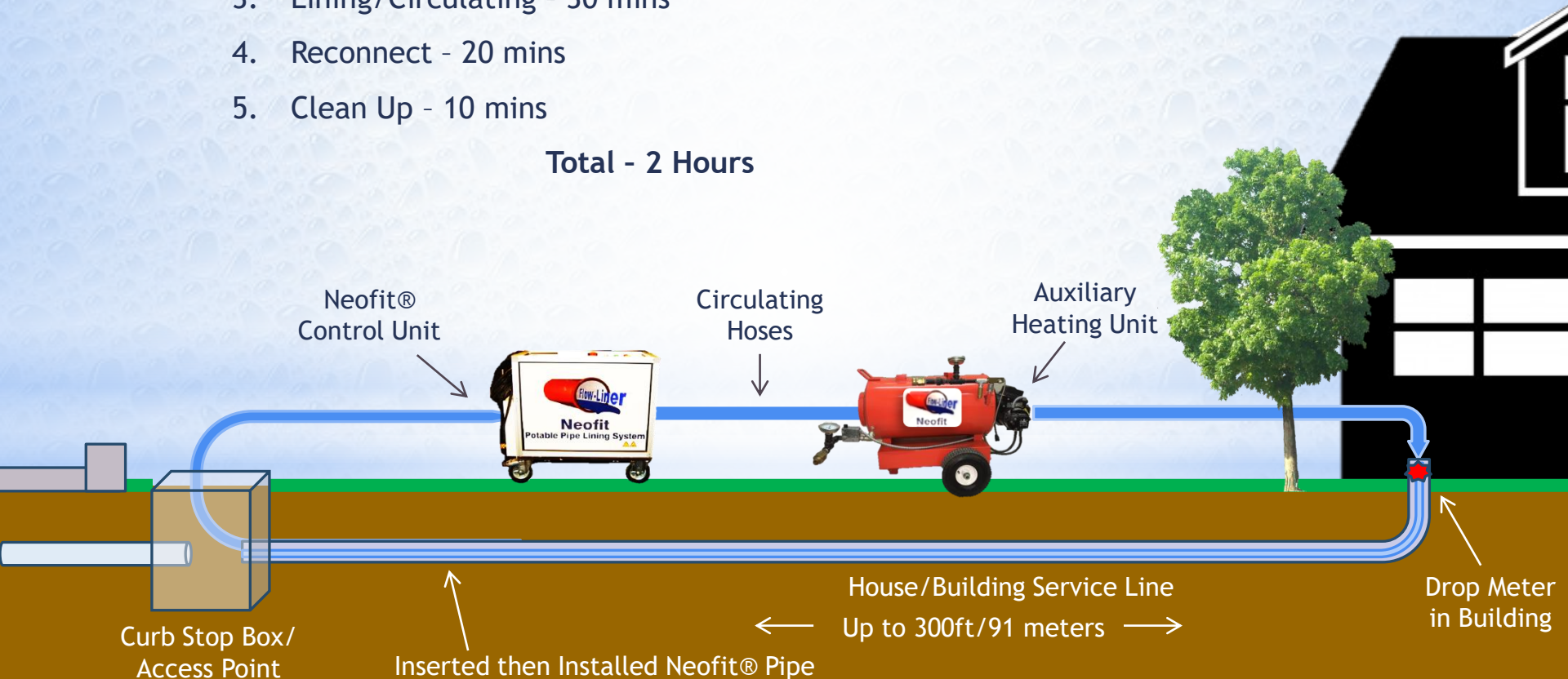
The Neofit®+ Plus System Timeline
(Two person crew- average 50ft install)

1. Set-up - 30 mins
2. Cleaning - 30 mins
3. Lining/Circulating - 30 mins
4. Reconnect - 20 mins
5. Clean Up - 10 mins

Total - 2 Hours

Estimated 5-6 Installation/Day with multiple crews tackling different steps (see next slide).

- Auxiliary Heating System benefits

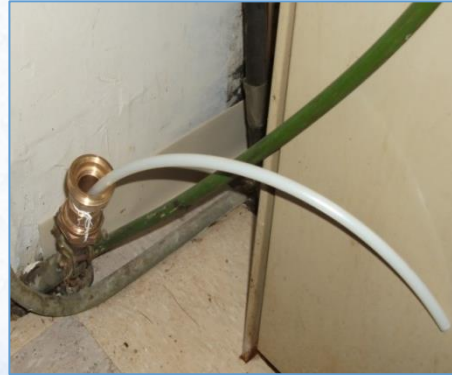


Neofit Ideal Setup

Crew 1



Crew 2



Crew 3



Crew 1- Set-up & Any Necessary Access Pits

Crew 2- Cleaning, Installing, and Expansion Process

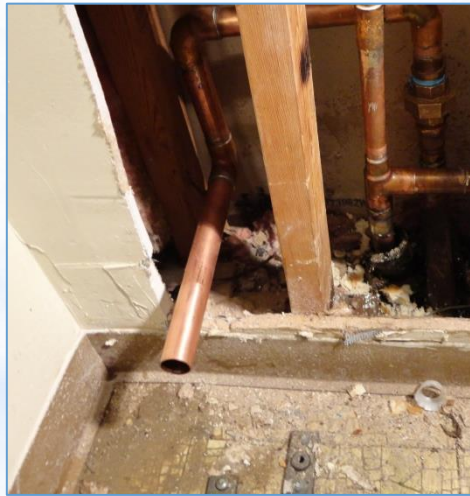
Crew 3- Reconnect and Site Clean up

Neofit & Valves

- * Installing at Valves
 - * Can install through an open valve
 - * Valve cannot be closed once Neofit is installed
 - * Install new valve with Neofit
 - * Install new valve at a different location



At Curb



In Home



Bends

Acceptable Bends: Long Sweep 90° and $\pm 45^\circ$



Neofit+ & Cleaning

- * Cleaning Instruments
 - * Mandrels
 - * Brushes
 - * Cleaning Pigs
 - * Jetting
- * Remove Scale Build-Up
 - * Increase inside diameter
- * Clear Obstructions and Sharp Obtrusions
 - * Fins found in some lead pipe
 - * Cuts and damages
- * Cleaning does not need to be as intensive as the sandblasting that coatings require. It is best to remove as much scale build-up as possible for the same reasons you would want it removed with or without Neofit pipe, increased diameter for increased flow capacity.



Neofit+ Liner Integrity Test Ports



- * **Test Ports** (when required)
 - * Test ports have 3 uses
 - * 1) Test ports assist with tracer wire which is used when installing Neofit in smooth plastic pipe to help purge excess air during the expansion process and to trace underground water service piping
 - * 2) Test ports act as a final confirmation that expanded pipe is not leaking
 - * 3) In lead or copper lines, an additional test port would be installation to be used for water sampling and contaminate testing

Neofit After Installation

- * Warning Labels
 - * Tag your lines after installation
 - * Blue Paint Indicators
- * Immediate Return to Service- NSF
- * Add Records to Geographic Information System? (e.g. Length of install, date of install, installer name, presence of bends, CCTV inspections?)



WARNING


This pipe is rehabilitated with

 **NEOFIT®+PLUS**
Expandable Pressure Pipe

Exposed pipe sprayed with blue paint has been rehabilitated with Neofit®+Plus

DO NOT TIGHTEN,
CUT OR HEAT WITH
TORCH

Contact Installer for more information:
Flow-Liner Systems: 800-348-0020

DCC: PM08096	Date: 07/17/2008
NSF/ANSI Standard 61 - Drinking Water System Components - Health Effects Authorized Registered Formulation	
<i>This product may require additional evaluation or testing prior to authorization for Listing. Only products included in NSF's Official Listing are NSF Certified and authorized to bear an NSF Certification Mark.</i>	
Customer Name: WAVIN OVERSEAS BV	Facility Location: FRANCE
Customer Number: 4P870	Facility At: SULLY SUR LOIRE, FRANCE
	Facility Number: 4P871
Function: Pipe Liner - Immediate Return to Service 	Size: 12 - 50 mm
Trade Name(s)	
Innatube	
Neofit	

Neofit After Installation

One of the many benefits of Neofit® is that if there was an issue during installation, the failure would be instantly known, in which case the material can be removed immediately.

* Repairing Neofit

There could be situations where the material was damaged by an outside source and will need repair. We have 2 repair options for such instances:

1) Neofit®+Plus End-Seal™ Repair Fitting

(Patent Pending)

An insert fitting to be used in conjunction with AY McDonald and Ford Compression fitting



2) Neofit®+Plus Reflaring Kit™ (Patent Pending)

After cutting back the pipe, and exposing the expanded Neofit® pipe, a heated expansion tool begins expanding the liner out against a new compression coupling. The pre-heated flaring tool will finish the expansion, beveling the edge of the expanded pipe against the fitting.



Neofit After Installation

* Frozen lines - Neofit Testing

- * Figure 1 depicts a $\frac{3}{4}$ " copper pipe with Neofit® installed and frozen for 48hrs. Shows no signs of damage to pipe.
- * Figure 2 depicts $\frac{3}{4}$ " copper pipe **without** Neofit® and frozen for 48hrs. Notice the split in the copper pipe near the fitting.
- * Figure 3 depicts $\frac{3}{4}$ " PEX tubing with an approx $\frac{1}{4}$ " hole drilled in it and then protected with Neofit. Pipe frozen for 48 hrs. Shows no signs of damage to pipe or any breach where hole is drilled

- * Conclusion: Pipes protected with Neofit were not damaged when frozen. Neofit added strength to host pipe and protected from splitting as show in figure 2

* Frozen Lines - Thawing with Electrical Current

- * When following the manufacturer's specified instructions, a Neofit protected pipe that has been frozen can be thawed using an electrical current. (Example: Hot-Shot requires 15ft separation of cable clamps)

1



2



3



Neofit Comparison

* Pull-In-Place

- * Access at Both Ends
- * Will Require Excavation or Demolition
- * Larger Excavation Pits Necessary
- * Much More Invasive than Neofit
- * New Pipe Risks Damage During Process

* Open-Cut Excavation

- * Extremely Invasive
- * Damaging
 - * Surrounding Utilities
 - * Landscaping, Lawns, Driveway, Sidewalk, Road



* Lead Service Line replacement (Flint)



* Horizontal Boring



* Pull-in-Place Installation



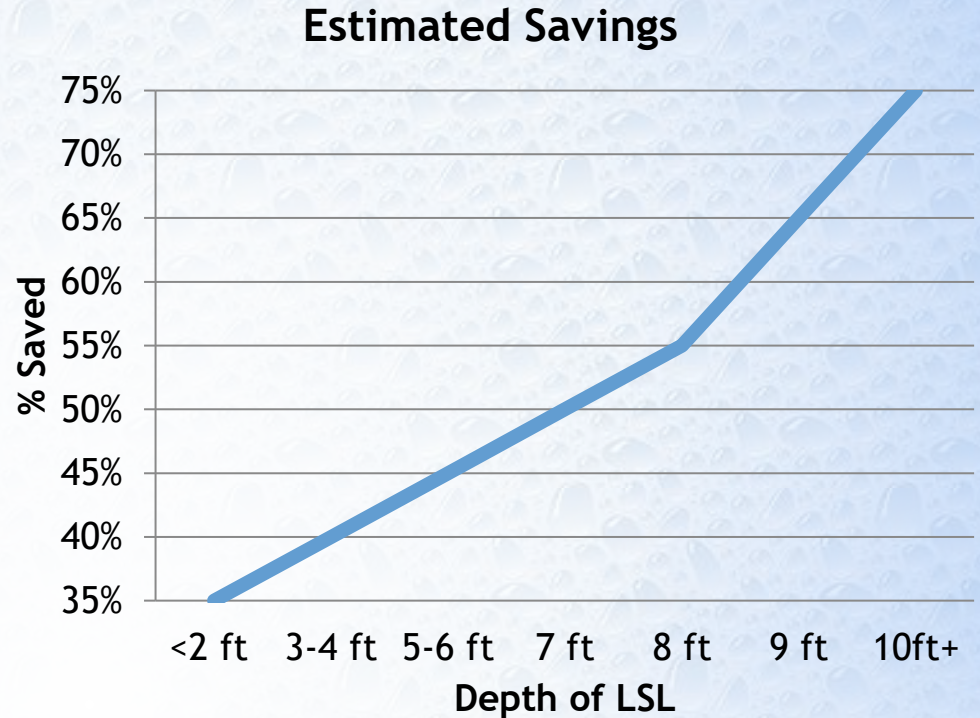
* Neofit Installation (Louisville)

Neofit Costs

- * The EPA reports the average complete LSL replacement to be between **\$2000-8000**, depending on length, depth, and conditions. Could be as high at **\$18,000**. The average savings with Neofit is estimated at 35-45%, increasing in savings as replacement costs increases due to length and especially depth (KIWA, 1995). The cost savings can be expected to be significant, and with including time saving and the convenience of Neofit, replacement hardly measures up.
- * MLIVE Flint Michigan, 2016
 - “A pilot study done for the state, to get a handle on the challenge ahead, estimated an average price of **\$7,500** per house to change water lines.”*
- * Milwaukee Journal Sentinel, 2017
 - “. . . the city projected costs for each line to be as high as **\$9,000**.”*
- * CBS Chicago, 2016
 - “Plumbers’ estimates to replace the old lead lines at the Berry home run from **\$15,000** to **\$18,000**. That is in addition to **\$3,500** for city permits to perform the work.*

Neofit Costs

- * Average savings estimated at 35-45%
- * As depth or length of line increases, so does your savings



- * Time savings
 - * City of Flint, MI estimates:
 - * Best 5hrs (little hard surface excavation, half lead, < 40ft, < 1", shallow)
 - * Worst 15hrs (hard surface excavation, full lead, > 60ft, >1", deep)
 - * Average Neofit Installation 2.5hrs regardless of depth

Neofit Dealer to Installer Warranty

FLOW-LINER® SYSTEMS



25 YEAR MUNICIPAL LIMITED PRODUCT WARRANTY

NEOFIT®+PLUS EXPANDABLE PRESSURE PIPE

LIMITED WARRANTY TERMS AND CONDITIONS

Flow-Liner® warrants the Neofit®+ Plus Expandable Pressure Pipe, hereon referred to as expandable pressure pipe, from the date of installation for 25 years against expandable pressure pipe defects in the protected portion of the existing pipe only. Defects are defined as breaches in the expandable pressure pipe that may cause the expandable pressure pipe to leak or jeopardize the expandable pressure pipe protection between the host pipe and the potable water flowing through the protected portion of the pipe. This warranty does not cover the original host pipe or any plumbing fittings, damage to the host pipe or any previous installed expandable pressure pipe due to movement including expansion and contraction of the existing host pipe, pipe negligence, excavation or demolition damages, foreign materials or objects found in or protruding through the pipe, chemical exposure defined as above potable drinking water standards, high temperature exposures defined as above standard temperatures for potable cold water service lines, high pressure exposures defined as above maximum working pressures for potable water service lines, normal pipe corrosion, scale build-up or particle build-up, acts of God, earth movement or settling. Any claim made or action commenced by customer under this limited warranty as set forth herein must be brought within 25 years after the expandable pressure pipe installation date stated below.

LIMITATIONS OR REMEDIES AND DAMAGES – FOR ANY VALID CLAIM PRESENTED UNDER THE LIMITED WARRANTY:

Flow-Liner® shall, upon presentation of this warranty, replace an equivalent quantity of the defective expandable pressure pipe free of charge. This warranty shall not apply to any defect or damage resulting from improper installation, structural defects, failure of previous expandable pressure pipe installations, improper application, improper expandable pressure pipe storage practices or as described above. A copy of this warranty along with the information entered below, must be sent to your Neofit®+ Dealer/Distributor within 30 days of the installation date for this warranty to be valid. The Neofit®+ Dealer/Distributor will investigate expandable pressure pipe defect claims and determine if the expandable pressure pipe has manufacturer defects, or if the expandable pressure pipe was damaged by other causes not covered under this warranty.

WARRANTIES DISCLAIMED – THE WARRANTY STATED IN THE PARAGRAPH ABOVE IS IN PLACE OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. FLOW-LINER® EXPRESSLY DISCLAIMS ANY OTHER WARRANTIES, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

THIS REMEDY IS THE CUSTOMERS SOLE AND EXCLUSIVE REMEDY. THIS WARRANTY IS NON-TRANSFERABLE UNLESS OTHERWISE STATED.

THIS WARRANTY EXCLUDES (1) LABOR OR COSTS ASSOCIATED WITH LABOR FOR THE APPLICATION OR REMOVAL OF ANY PRODUCT, AND (2) ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may have other rights, which vary from State to State.

Project Information:

Date expandable pressure pipe installed: _____ Size of Neofit®+ Expandable Pressure Pipe: _____ mm

Batch Number of Neofit®+ expandable pressure pipe: _____ Note: Batch number date must be within 24 months of purchase for warranty to be valid.

Neofit®+ Certified Installer Company name: _____ Address: _____

Project Name: _____ Address: _____

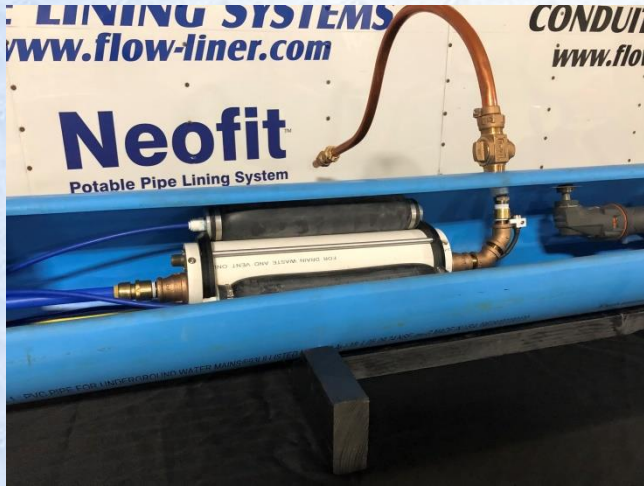
Location/description of pipe: _____ Footage of pipe: _____ ID size of pipe: _____

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Neofit®+Plus has a standard ten-year limited warranty from the distributor/manufacturer. For municipal projects, Neofit+Plus pipe has a 25 year limited warranty.

Neofit+ New Developments

Neofit+ Main Connection System™ (Patent Pending)



Q&A Session



NEOFIT[®]+PLUS
Expandable Pressure Pipe

Thank you!

Appendix 1 - The Neofit+Plus System for Installers



Neofit®+ Plus Unit Specifications

- * For Pipe Sizes: -- 1/2"- 2" ID (U.S.)
- * For Pipe Types: -- Lead, Plastic, Copper, Galvanized
- * Operation: -- Automated Controls
- * Electrical: -- 208V; 60HZ; 3PH
- * Hot Water Unit: -- Auxiliary Diesel Fired
- * Weight: -- 310lbs
- * Dimensions: -- 36" H x 19" W x 40" L
- * Hoses: -- 25' Sections w Quick Connect Ends (8)
- * Lining Capacity: -- Up to 300 lineal feet

- * Includes: Hoses, Quick Connect Adapters, Hot Water Unit, Air Gun, Coil Dispenser



U.S. Patent No. 8,807,171

Appendix 1 - The Neofit+Plus System for Installers



U.S. Patent No. 8,807,171

Neofit®+ Plus Standard Installation Package for ½” - 1” ID pipes

- * Designed for 7mm and 10mm liner installation and includes:
- * 300 foam cleaning pigs
- * 1 installation adapter
- * 50 O-rings
- * 15 stiffeners
- * 1 set of pulling heads

Neofit®+ Plus Standard Installation Package for 1-¼”- 2” ID pipes

- * Designed for 15mm and 20mm liner installation and includes:
- * 300 foam cleaning pigs
- * 1 installation adapter
- * 50 O-rings
- * 15 stiffeners
- * 1 set of pulling heads

Appendix 2 - Lab Testing, Approvals

- * NSF International ANSI Certification since May 2008
- * WRAS (Water Regulations Advisory Scheme) European Approved Material
- * Australian Water Quality Centre
 - * June 2003, Test Report, AS/NZS 4020:2002
 - * Testing of Products for use in Contact with Drinking Water
- * US Approvals
 - * State of Ohio
 - * City of Columbus, OH
 - * Muskingum County, OH
 - * Washington Suburban Sanitary Commission, MD
 - * Providence Water, RI
 - * State of Wisconsin