

Wavin Neofit

System Data Sheet



System description

Neofit is Wavin's rehabilitation system specially developed for the lining of potable water service lines with internal diameters from 0.39" - 1.77". Although originally developed for the rehabilitation of lead services, the system is equally applicable to services of other materials, like copper or steel. A small flexible pipe made of PET material is brought in the service pipe to be rehabilitated and subsequently expanded. The result is a thin-walled, very strong lining, close-fit inside the old service pipe. In this manner, a protective barrier is created, preventing future contact which could pollute the potable water. Furthermore, the tightness of the old service is restored, and the flow properties increased substantially.

System benefits

- **Immediate cure to water quality problems**
Neofit forms an immediate, effective barrier avoiding lead leaching into the drinking water.
- **Speed of installation**
With a crew of just 2, multiple installations can be achieved each day
- **Minimum disruption**
Trenchless, no-dig technique, with host pipe left insitu. No risk of damage or disruption to other utility services.

■ Cost effective

Existing service lines can be lined at only 40-60% of the cost of open cut replacement. Eliminates leakage detection time.

■ Multiple applications

Applicable for water applications for multiple materials – lead, steel, copper and galvanised iron.

■ Flow capacity

Neofit has a minimum effect on flow rates. It often increases flow capacity!

■ Durable

Neofit is made from Polyethylene Terephthalate (PET) and offers 50 years long term strength. PET material is resistant to many hazardous fluids and treatments such as chlorination (with NaClO_x).

■ Environmental friendly

No chemicals are required and only a minimum of digging is necessary.

Documentation

Detailed installation instructions and all the necessary technical data are available to licensed installers.

LINING SYSTEM FOR SERVICE PIPES



Applications

Wavin Neofit is particularly suitable where alternative solutions prove to be disruptive, such as alongside other infrastructure, under road crossings, in congested ground and in particular in customer properties under drives and gardens.

Neofit is most commonly used when conventional open cut or directional drilling are not suitable. It can however, be used in a variety of water applications, as a lining system for lead, steel, copper and galvanised iron.

Range

The Neofit pipes are available in 4 sizes. Service pipelines with an internal diameter from 10 to 45mm / 0.39" - 1.77" can be lined.

Standard mechanical fittings are used to connect to the lead pipe and the Neofit pipe.

Neofit diameter		Pipe length on a coil		Diameter of a coil		Weight of a coil	Range of internal diameters (ID) of existing service pipe*		Minimum wall thickness of expanded pipe	
mm	inch	m	yd	mm	inch	kg	mm	inch	mm	inch
7	0.28	200	220	540	21.3	3.1	10 - 16	0.39 - 0.63	0.15	0.006
10	0.39	200	220	590	23.2	6.5	14 - 22	0.55 - 0.87	0.20	0.008
15	0.59	100	110	930	36.6	7.2	21 - 33	0.83 - 1.30	0.30	0.012
20	0.79	100	110	1160	45.7	13.0	30 - 45	1.18 - 1.77	0.40	0.016

* For some pipe ID's (for example 1.25"), in principle two alternative Neofit solutions could be used. In such cases it is recommended to select the larger Neofit size option wherever possible. For pipelines in soft lead or soft copper with long sweep bends, the minimum ID of the pipeline shall be 1.5 x the Neofit pipe diameter.



Certified to NSF/ANSI 61-G

Quality requirements

Wavin Neofit meets requirements in line with the international standards EN14409 and ISO 11298 for potable water applications. Wavin Neofit holds several international approvals for use in potable water applications such as from LHRSP (France), Belgacqua (Belgium), KIWA (Netherlands) and WSAA (Australia). Wavin Neofit also complies with the most stringent NSF/ANSI (USA) requirements and is authorized to carry the NSF-61-G mark.

Contact details

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