

EcoCIPP™



Sewer Rehabilitation From Perco



- Cured in place
- Cured with no pollution
- Cured in less time
- Cured with greater peace of mind

EcoCIPP™ FROM PERCO



The proven cured-in-place
from the UK



What is EcoCIPP™?

Cured In Place Pipe (CIPP) relining accounts for tens of thousands of kilometres of sewer rehabilitation worldwide. As a trenchless technique it avoids traffic problems, excavation and resurfacing work.

Perco Engineering Services Limited and Brandenburger Liner GmbH & CO. bring you EcoCIPP. EcoCIPP has all of the advantages of conventional CIPP lining systems but adds these additional major benefits:

- UV curing eliminates harmful, carcinogenic styrene emissions
- Up to 40% reduction in installation times reduces noisy working
- Seamless construction increases strength and wear life

Where should you use EcoCIPP™?

EcoCIPP is designed to be used in any sewer rehabilitation project where conventional CIPP liners might be considered.

EcoCIPP can be used in all types of conventional and industrial sewers and because of its fast and pollution free installation process; it should be considered as the first choice for:

- ✓ Urban sewers
- ✓ Sewers in residential areas
- ✓ Sewers in high traffic areas
- ✓ Overnight installations
- ✓ Sewers in industrial and chemical installations
- ✓ Areas where environmental considerations are of paramount importance

A turnkey solution from Perco

Perco Engineering Services is the sole UK licensee for EcoCIPP. Our Lining Technicians have been extensively trained by Brandenburger to install the EcoCIPP lining system under a wide range of conditions to ensure optimum results every time.

Perco provides a full turnkey installation package for utilities companies and utilities contractors alike. This includes:

- Initial assessment
- Feasibility study
- CCTV inspections and budgets
- Preliminary works
- Line pipe
- Cut out laterals

An environmentally sound sewer rehabilitation solution with
a light-curing, seamless and glass fibre reinforced (GRP) Inliner



perco pipe lining system leader in trenchless technology



The technology

Brandenburger has a 60 year track record in materials technology. EcoCIPP seamless glass fibre tubes, impregnated with light curing resin, are available in a range of thicknesses from 10mm to 20mm.

The unique patented liners are extremely strong offering long time tensile bend stress of 95 N/mm² and long time modulus of elasticity of approx 5625 N/mm².

At a given liner wall thickness, EcoCIPP has a 100% higher carrying capacity than regular needled felt laminated liners. The mechanical abrasive resistance has been proven in tipping trough tests with 300,000 stress reversals at the University of Darmstadt in Germany.

Track record

EcoCIPP has been widely used in Germany since the early 1990's. In 2000 alone over 140 kilometres of sewers were relined using Brandenburger's relining system.

Since then, the technology has been adopted by Brandenburger's partners in Denmark, France, Spain, Switzerland, Japan and the USA; where it is becoming the preferred choice for sewer relining.

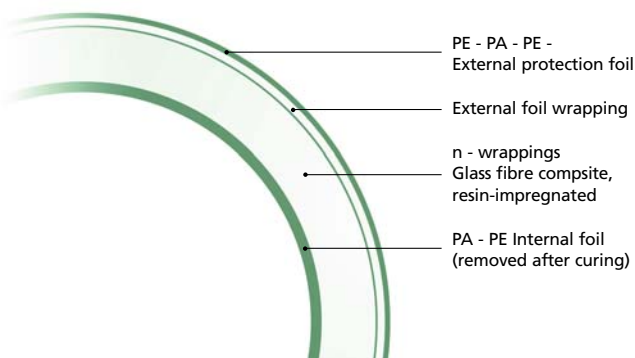
EcoCIPP's proven track record gives you the reassurance that the technology is robust, reliable and proven. Case histories about EcoCIPP installations are available on the Perco website at: www.perco.co.uk/ecocipp

About Brandenburger

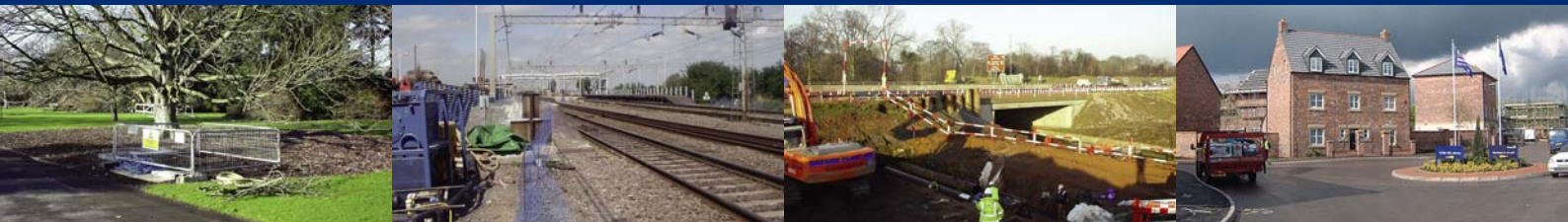
EcoCIPP is manufactured for Perco Engineering Services in Germany by Brandenburger Liner GmbH & Co.

In 1990, Brandenburger began manufacturing prepregs for trenchless sewer and pipe rehabilitation. In 1993, the Brandenburger CIPP (cured-in-place-pipe) Relining procedure was patented internationally. In 2001, it was approved by the German Government Building Department – the first national approval ever given by the *Deutsche Institut für Bautechnik* for a UV light-curing method.

Brandenburger manufactures ready-to-use liner prefabricated exactly to the dimensions of the pipe to be rehabilitated. It is possible to manufacture this seamless glass fibre tube saturated with UV light-curing synthetic resin (DN 150 – DN 1000) in one piece lengths of up to 250 metres.



PERCO the only big name trenchless technology contractor you will ever need



At Perco we deliver complete turnkey solutions for every type of trenchless technology project. We provide full design and advice, preparation of all necessary enabling and reinstatement works, installation, commissioning and ongoing maintenance.

Our approach to trenchless technology gives clients and contractors greater advantage and control over project completion schedules.

- ✓ **Guided Auger Boring**
- ✓ **Directional Drilling**
- ✓ **Rock Drilling**
- ✓ **Pipe Bursting**
- ✓ **EcoCIPP™ Lining**
- ✓ **Shaft Sinking**
- ✓ **Pipe Jacking & Tunnelling**
- ✓ **Pigging**
- ✓ **Pipe Cleaning**

For more information about EcoCIPP™ call:

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or visit: www.perco.co.uk/ecocipp



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