

New Solutions to Age Old Problems

Over the last few years the Drainage Industry has undergone a number of changes, E.R. Technical Services has been established to assist its customers to react to these changes. Its Founder Graham Evans is building on his success within the E.R. Systems Group and developing the customer service and support angle to a new dimension. The services offered go further to assist customers to develop their own business within our ever changing environment.

Many contracts now require an array of requirements that are new to long established small drainage companies developing new markets, from method statements, risk assessments through to training certificates, spec compliance documentation and more recently Environmental and Carbon footprint policies.

Many one off contracts also require specialist knowledge, equipment and on-site assistance.

Contractors need to look to new areas to develop their business and be aware of the latest technology to enhance their services we at E.R. Technical Services are available to assist.

E.R. Technical Services will continue to supply lining materials to customers from its new base in the North West

and will add the following enhanced technical support services to assist customers reacting to a changing market :

- Formal Certificated Training
- Chemical Resistance & Material Selection
- On Site Assistance
- Specialist Equipment Hire
- Specialist advise for Vinyl Ester resins
- Specialist Ancillary equipment
- Solution Management
- Assistance with testing & methods of work
- Product Development
- Bespoke Renovation Solutions
- Proactive new product ranges
- Manhole Renovation solutions



For further Information
contact Graham on
01704 512469
www.drainage-support.com



Call Graham
01704 512469



We believe that Training is far more than a couple of days in a classroom and a pretty certificate. E.R.Technical Services [North West] Ltd have therefore partnered with key industry suppliers to develop an Industry inclusive training program that is not system specific and has no sales agenda. By combining our manufacturer supported course with on site workshops we are able to offer a certificate that has credibility throughout the industry.

A Foundation Course in Cured In Place Lining

(Ambient & Heat Assisted Cure) ◀ **2 Days**

What's Included?

Background

- To understand the purpose and limitations of CIPP lining
- To Identify different Lining Carrier Materials and their selection [from a number of material suppliers]
- To Identify different resin types and their selection [Polyester / Epoxy / Silicate]
- To understand the differences between [Ambient / Heat Assisted Cure / Hot Cure]
- An Introduction to testing and why liner thickness changes

Installation

- Understand the importance of Impregnation [the minimum requirements to produce a good liner]
- To Know the different installation techniques and identify best practice
- To understand the handling and mixing of resins
- To understand Health & Safety Risks During Site Operations
- Liner Defects and identification of cause

E.R.Technical Services [North West] Ltd are Approved to supply Training and technical Support for the products supplied by :



Approved Installer



Ant Hire Ltd

The Specialist Hire Company



Now Available Eco Hybrid Resins

An exciting new Lining Material with incredible potential that has the advantages of many of the existing resins in one easy to use product. This product has been exclusively designed for us using advanced chemical techniques to our required criteria and ticks all the boxes.



- Ambient Cure or Heat Cure
- No shrinkage
- Minimal Smell
- Solvent Free
- BS-EN13556-4 & WIS 04-34-04 compliant
- Uses existing catalyst systems
- Installed using existing lining equipment
- Pot life between 1Hr and 80Hrs
- High Chemical Resistance
- Sensibly Priced



Vinyl Ester Resins

We have Vinyl Ester available from stock to assist our customers react to the specific chemical resistance requirements of certain sites.

A *high grade Epoxy vinyl ester*, which combines exceptional chemical resistance and an outstanding combination of heat resistance and flexibility. The resin is resistant to many alkaline media and hot water and offers good performance in contact with organic solvents. Our Product is 17% lower in reactive monomer content than standard Isophalic resins.

Epoxy Vinyl Ester is a widely excepted proven product that is not well known by smaller drainage contractors , partly because of its specialist nature and partly because it is not stocked as a common product by suppliers.

As many contractors venture into new markets where chemical resistance and heat stability become more of an issue, Epoxy Vinyl Ester becomes a more versatile solution.

For advice or information on chemical resistance and the use of Epoxy Vinyl Ester just give us a call.

Advantages

- High Structural performance
- Strength retention at High Temperatures
- Established Corrosion Resistance Information
- Good performance in Caustic Environments
- Suitable where other resins are not

ER Technical Services
Specialist knowledge, equipment, materials & training



Now Demonstrating ... Top Hats

A cost effective package to enable customers to successfully install Top Hat repairs to defective connections.



These systems are available

- To Purchase
- To Hire
- Or through our Specialist Installation Service.



E.R. Technical Services are constantly looking for new solutions for our customers and have therefore sourced and introduced this proven system to the UK.

- The system is initially available in 150mm / 150mm & 225mm / 150mm / 100mm ranges however other sizes are available on request.

- The Repair materials are available as a boxed kit for each application.

Call Graham
TODAY to
book your
Demonstration



Boiler Technology

Many contractors use a number of boiler models for various applications within the industry. Many of the available systems have limited range in terms of pipe diameter and length.

Our new range includes the following versatile options as well as bespoke steam generators for up to 450mm diameter.



Small Boilers

suitable for Heat assisted cure of polyester resin and re-circulated hot cure of epoxy & Brawo

Re-circulation pumps are a separate item

“Premium” Range Boilers

including built in recirculation pump, dry running protection and accessories

Range [full hot cure]:

- 50m of 225mm
- 30m of 300mm

Steam Hot Box

Advanced development using high pressure pump technology enables us to offer a small compact steam unit capable of heating lengths up to 50m of 225mm using steam resulting in reduced cure times.

On Site Workshops

In addition to formal training we offer a range of Bespoke On-Site Workshops to assist site staff to observe best practise and develop confidence in a site environment.

Subjects Include :

- Installation of Patch Repairs.
- Mixing and impregnation of Hot Cure Liners.
- Epoxy Resin site installation.
- Use of Inversion Drums.
- Use of the RS Linergun.
- Leak sealing of Manholes and Chambers.
- Top Hat Installation.
- Using Boilers and re-circulation.

Call Graham
TODAY to
book your
Workshop

ER Technical Services

setting the standard by providing proactive solutions

“In order to provide our customers with the ability to tackle difficult drainage problems we are continually searching for and developing new solutions.”



From January our proactive product range will include:

- **Brawo 3D** – From Stock to enable our customers to carry out diameter changes without compromising on liner thickness.
- Building on our success Introducing cost effective “**Top Hat**” repairs we will be introducing a new system for 100mm pipes and connections.
- **Multiple Bend Packers** available in lengths up to 2m to enable the contractor to install Flexible liners in difficult locations with minimal creasing.
- Also available are a number of new options for roof gulleys.
- **High Torque Branch Cutters.**
- **Twin mixing paddle mixers.**



Call **Graham**
TODAY for details
of all our products
& services

Service & Repair

In line with our philosophy to introduce proactive products and services to assist our customers, ER Technical Services are now able to provide a Service & Repair facility for lining equipment, regardless of manufacturer.



In association with a number of equipment suppliers and industry contacts we are able to source or fabricate parts for many items of lining equipment.

“Equipment is a valuable asset that has no value if it doesn't work”



Improving Quality

The key element for installing a quality liner, regardless of material supplier is impregnation. Many liners are impregnated using a clumsy version of River Dance. The first step to improving the quality of a liner is to ensure that the resin is distributed throughout the carrier in the correct quantity to give the required cured density. This is achieved using a vac and roller combination with a set roller gap dependent on the liner.

ER Technical Services supply a range of impregnation equipment to suit our customers requirements and are happy to demonstrate the quality improvements that are possible.

**Call Graham
TODAY for details
of all our products
& services**