

## Potable Lining Terms & Conditions:

The epoxy lining process has been developed with the objective of minimizing the necessity to expose and replace water supply lines. This process not only reduces the costs associated with resultant repairs but also significantly shortens the time required for performing such repairs.

For a line to benefit from the epoxy lining process, we are required to pump air at high volume (not high pressure) through the water reticulation system. Additionally, the lines need to be heated to temperatures between 50 and 60 degrees Celsius, with a continuous flow of warm air through the pipe system being maintained. It is crucial to highlight that, certain restrictions, as outlined below, may only become apparent once the system is broken down and air is pumped through the lines, given that most plumbing pipes are concealed and cannot be visually inspected.

Factors that may impact the lining process include:

- Restrictions in line diameter due to defective pipe fittings or unconventional plumbing installations, with "unconventional plumbing" defined as any installation not compliant with National building regulations.
- Pipes that may have been damaged (flattened), causing flow restrictions.
- Decreases in diameter where structural inserts were used in conjunction with composite pipe.
- Excessive changes in direction.
- Too many lines branching off from a single supply line of the same diameter.
- Pipe diameter decreasing and increasing on a straight line.
- Concealed valves fitted to the plumbing system.
- Mixer taps having outlets with diameters less than 8mm.
- Concealed flexible braided pipes used in areas intended for hard copper or composite pipes.
- External and internal corrosion to any pipe that may not withstand the drying and cleaning process.
- Any line where copper tubing transfers to composite pipe and the pipe diameter reduces. Awareness of these conditions reduces the risk of potential blockages.
- Sections of pipe with pinholes larger than 2mm may require replacement prior to lining, and post-cleaning of the lines is necessary. A second coat of epoxy lining may be applied if the line fails a pressure test.
- Adverse cold weather conditions may necessitate longer heating times for pipes to reach the required temperature, extending the time needed on site.
- In extreme cases, the line may block due to air restrictions or unconventional plumbing not detected prior to lining, requiring exposure and/or replacement.
- Any of the above conditions may result in additional time on site to complete the works.
- Additional plumbing works needed to facilitate the lining process may incur extra labour and material charges.

- Leakfind has a permanent staff of plasterers, painters, tilers, and carpenters to address resultant repairs if needed.

Most lining projects are undertaken due to clients experiencing a loss of water. Upon completion of the PipeRenu epoxy method on water supply lines, leaks are mitigated, and pressure in the closed plumbing reticulation system returns to optimum operating levels. However, due to the loss of pressure before lining, certain maintenance-related plumbing issues may become evident, including dripping tap washers, water passing into toilet bowls, and leaks at tap stems. It is essential to note that epoxy is not applied to taps, toilet flushing mechanisms, or any plumbing item disconnected from the main supply lines.

Maintenance plumbing, if required, will be invoiced separately. Spare parts not immediately available from designated plumbing suppliers may need to be ordered, and if unavailable, the replacement of entire units may be considered, the cost of will be invoiced separately.

#### **Preparation by the client:**

- The water supply to the lines being lined will be turned off for the project's duration.
- It is the client's responsibility to ensure that vanity units, sink cupboards, and any storage spaces connected to the plumbing system are cleared out.
- Loose items in bathrooms, kitchen sink cupboards, and laundry rooms need to be removed.
- Leakfind will provide floor and wall protection as needed. Additional floor protection can be requested before the project's start.
- The lining process involves a small, trained team (2 to 4 technicians per team).
- Two parking areas, one for a truck/van and one for a compressor, are required close to the property. The compressor may generate noise.
- Leakfind will minimize noise to a reasonable level, considering the nature of the work.
- Assuming all necessary permissions were obtained from any Body Corporate or Housing Association, normal working hours of 09:00 am till 18:00 pm apply.
- Quotations are based on information gathered during the site inspection.
- If additional plumbing lines not included in the quotation form part of the system to be lined, the standard cost to line these lines will be added to the final invoice with client approval. The completion date might be extended for extra works.

#### **Warranty and Payment Terms:**

- Leakfind warrants new or reconditioned parts installed during any repair or maintenance work for three months after the installation date.
- The warranty is void if the client misuses or abuses the part, the goods, or the property where it was installed, or if the part or goods are worked on or opened by someone other than Leakfind.
- The warranty is void if the client fails to use repaired goods according to Leakfind's instructions.
- The warranty does not apply to ordinary wear and tear.

- Quotations are valid for 30 days, with a 60% deposit required. The balance must be settled within 48 hours of the final invoice. Additional work will be quoted and invoiced separately.
- Leakfind reserves the right to recover interest costs for late payments.
- If work stops for reasons beyond Leakfind's control, completed works will be invoiced, and any outstanding funds must be settled before further work commences.
- Bookings are confirmed upon receipt of proof of payment on a first-paid, first-served basis.
- A 50% cancellation fee of the total contract value applies for cancellations within two days of the works commencement date.

### **Blockages Caused by Lining:**

While the primary goal of lining is to minimize the need for opening wall and floor surfaces, unforeseen anomalies in the reticulation system may necessitate excavation. Leakfind minimizes disruption but is not liable for costs related to the opening, closing, or cosmetic matching of surfaces.

Thank you for considering Leakfind for your pipe relining project. We assure you that you are in capable hands, as Leakfind has been an industry leader in PipeRenu pipe relining since 2013. References, including work at the Castle of Good Hope, are available. As pioneers in introducing PipeRenu to the Western Cape market, we have over six years of experience compared to our competitors in the region.

Leakfind, in business since 2002, offers a comprehensive service, including general plumbing, leak detection, PipeRenu pipe relining, drain cleaning, liquid waste management, drain and pipe CCTV camera inspections, and resultant damage repairs.

For more information, please visit our websites [www.leakfind.co.za](http://www.leakfind.co.za) and [www.piperenu.co.za](http://www.piperenu.co.za). Feel free to contact us with any questions, and we look forward to the opportunity to work with you.

Kind Regards,  
Team Leakfind