



LEAK DETECTION

Leak Detection



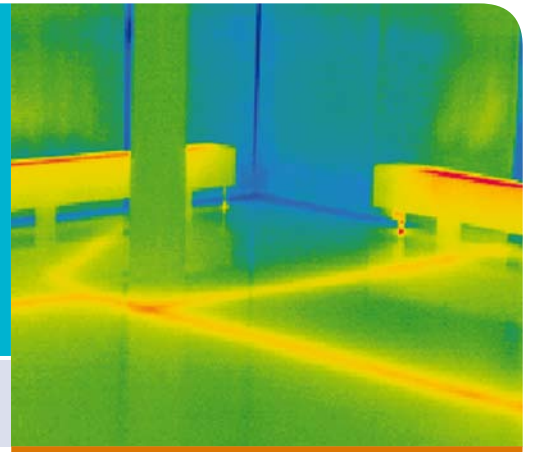
Property Damage Restoration



Temporary Humidity Control



Property Damage Prevention



APPLICATION

Overview

Munters Leak Detection Service provides a non-destructive solution to finding hidden leaks. In contrast to traditional methods of large-scale excavation, Munters utilise specialist equipment coupled with technical expertise to locate hidden leaks quickly and accurately, saving both time and money.

The damage suffered as a result of leaking pipes should not be underestimated – a 0.5mm leak could lose 20 litres of water every hour. Even if a leaking pipe is noticed, the cost and disruption associated with locating the source could be excessive. Too often walls and floors are unnecessarily damaged and there are no guarantees that the leak will be found.

Munters use the latest proven techniques such as acoustic profiling, thermal imaging, endoscopy or tracer gas technology to identify the location of leaks.

A Munters' technician will use one, or a combination, of these specialist techniques to investigate the cause of the leak, identifying possible sources from any of the following:

- Mains incoming supply
- Hot and cold feeds
- Heating pipes
- Waste water pipes
- Drains
- Building structure defects related to moisture ingress
- Flat roof defects.

Using this equipment makes it possible, in the majority of cases, to locate the leak to within a small area. This location will be clearly identified so that the leak site can be excavated and repaired, with minimal cost and disruption.



A technician conducting acoustic profiling.



Munters use the latest scientific equipment.



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PROCEDURE

Every project is undertaken by a trained engineer who will have passed both Munters in-house training and an Infrared Technology (IRT) level one thermography course.

Digital pictures are taken, together with detailed measurements. The actual survey is carried out several times as the temperature differences will vary depending on environmental conditions externally and internally, as well as the temperature of the membrane.

An internal inspection of the property is recommended in order to assess the level of damage and to track water ingress. As standard on all investigative surveys Munters:

- Confirm areas of wet insulation using moisture measurements
- Log moisture readings for each area and include this within the report
- Provide digital photographs of likely water ingress areas and mark up on site
- Apply a 'traffic light system' to identify areas requiring immediate action (red), areas which can be addressed as part of ongoing maintenance (amber) and areas where no action is required (green).



Using thermography to identify a pipe leak.

RESULTS

The competence and experience that Munters' technicians offer, guarantees that the most appropriate process is identified and used, resulting in leaks being effectively located and prepared for excavation. This reduces potentially costly and problematic damage to the property.

BENEFITS

- Munters' techniques identify and repair areas of concern. The project report highlights potential areas for monitoring, including an annual inspection to identify areas that have been repaired, in order to monitor deterioration
- Reduction in material and labour costs
- A non-destructive testing solution
- Increased detection speed of all types of leaks
- Cost effective
- Faster repair period which mitigates interruption for inhabitants.



Trace gas and acoustic profiling equipment.



A non-destructive solution to finding leaks.