

SMARTEX[®] MX

Permanent, Automated Electronic Leak Detection System

Leak Detection for Single-Ply Waterproofing in New Construction

Smartex MX provides the most comprehensive and accurate leak detection system available for single-ply waterproofing. When roofing integrity and investment protection is imperative, Smartex MX is the right choice for automated monitoring 24/7.

Permanently installed under the roofing membrane, sensor modules are connected to an online computerized system that provides 24/7 monitoring while simultaneously pinpointing leak locations and time of occurrence. The specially designed computer system can work in isolation or be integrated with other building monitoring equipment.



Smartex[®] MX At a Glance

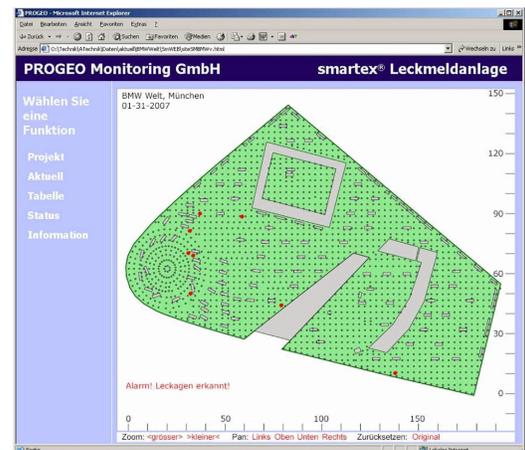
- Immediate notification if a leak occurs
- Reduces the cost of repair and protects your investment
- Integrated into the roofing system
- Provides 24/7 monitoring
- Protects building contents

How it Works

Smartex MX consists of integrated computer chips called “smart” sensors which are permanently installed under the roofing membrane and connected to the system MEA260-SV computer. The system sends electrical pulses to the surface of the waterproofing and when water penetrates the membrane, electrical signals flow through the penetration. These signals are detected by the sensors by a conductive felt specially manufactured to provide an evenly conductive electrical grid. Each sensor is continuously polled by the computer and reports its own condition as well as any electrical activity detected.

The computer evaluates the strength of the signal and its duration and will immediately trigger an alarm if a leak has occurred. Notification is available online and is also sent to the system administrator at Progeo and the designated building engineer. The computer generates status reports continuously describing the condition of the roof as it controls the functions of the entire system.

Remediation can be immediate, eliminating the possibility of long term damage to the roof and the building structure.



During construction of the BMW World Center in Munich, dozens of areas where leaks had occurred were pinpointed by Smartex MX and repaired before acceptance by the owner



