

Automatic Always-On Top-Surface Applied Leak Detection

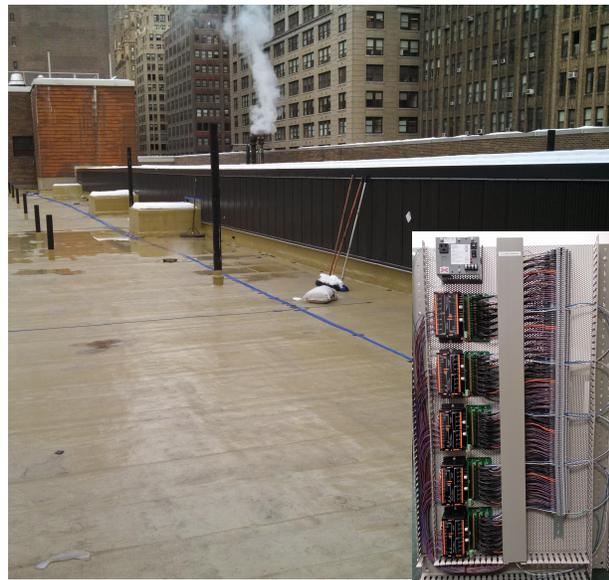
For Waterproofing and Roofing Adhered Directly to Decking in New and Existing Construction

Gaussan™ SST provides the most comprehensive and accurate leak detection system available for hot or cold bituminous and direct applied roofing and waterproofing membranes. When roofing integrity and investment protection is imperative, Gaussan™ SST is the right choice for automated monitoring on a scheduled basis.

Permanently installed on the surface of the roofing or waterproofing membrane, sensor modules are connected to an online computerized system that provides automatic, scheduled monitoring while simultaneously pinpointing leak locations and time of occurrence. The computer system can be integrated with other building monitoring equipment and systems.

GAUSSAN™ SST at a Glance

- Ideal for waterproofing adhered directly to the deck
- Integrated into the roofing system
- Provides automatic scheduled monitoring
- Notification of possible and actual membrane leakage
- Location of leakage, even under heavy overburden or root barriers and fill.



Gaussan™ SST utilizes an electro-resistive systems specialized for use with waterproofing and roofing adhered directly to the decking. The core of the system is smart sensors laid over the finished membrane. A boundary impulse cable is also installed on the perimeter of the waterproofing through which the system sends low voltage electrical impulses to generate a charge on the surface of the membrane. When water penetrates the membrane, the electrical signal flows through the penetration and is detected by the sensors, giving the system information from which to triangulate the location of the leakage event.

The JACE communicator 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 can be sent to the designated person in charge of such building systems. The JACE generates a status report during each scheduled test describing the condition of the roof as it controls the functions of the entire system. The report is available to authorized individuals online.