GSA Schedule
Contract GS-07F-0028T

SpyGuard™
Eavesdropping Countermeasures

RF Attenuation and Wireless Security

GlassLock's SpyGuard Technology provides customized film, glass and architectural surfaces for radio frequency (RF) Electromagnetic Interference (EMI) attenuation/eavesdropping countermeasures/wireless security as-well-as blast hazard reduction for physical security concerns.

Secure or proprietary information is increasingly under threat of being illegally accessed by sophisticated technology.

Few people are fully aware of the threats of remote eavesdropping through window glass. Some of these methods are effective at distances up to or beyond a quarter mile. Proven eavesdropping methods are:

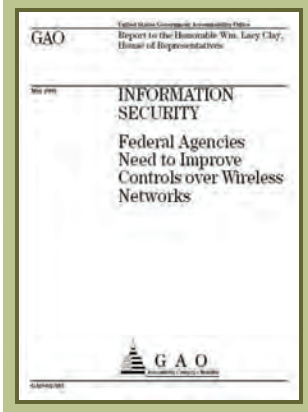
- Recording meetings and conversations using laser microphones
- Recording radio frequency emissions and the electromagnetic energy that leaks from computers, printers, facsimiles, cellular telephones, and other electronic devices.
- Capturing infra-red signals from wireless PDA's, laptops and IR communication systems.
- Capturing and translating optical bandwidth that emanates from computer displays to reconstruct the entire image on the monitor.

A recent (May 2005) GAO report concerning wireless security disclosed the ease of gaining access to over 1,000 wireless networks with in a 15 block area in Washington DC with just a common network scanner!

Significant "signal leakage" (wireless network signals traveling beyond an organization's perimeter) allowed for

Radio Frequency Attenuation

unauthorized users to monitor, check security configurations, and eavesdrop.


GAO

INFORMATION SECURITY

Federal Agencies Need to Improve Controls over Wireless Networks

GAO

Signal leakage can be significantly reduced by deploying SpyGuard Technology. Applied to the glass, SpyGuard offers an average of 39db attenuation from 300 MHz to 6GHz 44db at 1GHz.

By making wireless signals inaccessible, any miscues with respect to encryption, authentication, VPN and firewall rules are protected until they can be corrected. Example of multiple RF /EMI signals in an office environment below.

Electromagnetic Signals
In an Office environment

In addition to providing wireless network protection, a significant extra benefit of the optically clear SpyGuard Technology is that it provides 50-75% total solar energy reduction (TSER). This equates to energy savings.