

# ULTIMA

## SIGNAL DEFENCE SYSTEM

### ONE SOLUTION - MULTIPLE BENEFITS

FULL SPECTRUM WINDOW PROTECTION (RF, IR, UV, BLAST)



- Ultraviolet Transmission ( $<380\text{nm}$ )  $<1\%$
- Infrared Ray Transmission (800-1500nm)  $<1\%$
- RF (30Mz-6 Ghz) Avg 46 dB
- Thickness (SD2500) 50 microns
- Visible Light Transmission (400 – 780nm)  $>53\%$
- Visible Light Reflectance 13%
- Total Solar Energy Rejected 70%
- Shading Coefficient 0.32
- Solar Heat gain Coefficient 0.27
- Available with Blast Protection option

RF & IR are typical values as tested by the United States Department of Defence.

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### Performance Specifications Ultima SD2500

The SD2500 Film is compliant to US DoD Policy 3-7, infrared and Radio Frequency Emanation Protection Standards, and meets and exceeds the requirements of various US Government organisations' specifications for optically clear RF/IR/UV attenuating film/optical coatings.

### Ultima Strength Eavesdropping Protection:

Meets DoD Infrared and Radio Frequency Emanation Protection Standards. RF attacks and Laser microphones are mitigated. SD also provides protection as a Thermal Imaging Defence System. SD Technology is the written and de facto standard for the U.S. Government. Over 600 critical government locations secured.

### Energy Conservation:

Highest Solar Energy Rejection for optically clear, low reflectivity substrate. SD Technology performance certified by National Fenestration Rating Council (NFRC) of America.

### Health:

Provides RF, IR and UV sheltering for equipment EMI Protection and personnel. Option to provide glass fragmentation and spall control in case of blast/ballistic events (physical security).



**“SD TECHNOLOGY IS THE LEAST EXPENSIVE METHOD TO MITIGATE THE LARGEST AMOUNT OF EAVESDROPPING THREATS”**

**US Department of Defence Signals & Physical Sciences Security Centre**

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