SPECIALIST PRODUCTS · PROTECTIVE FILM

BA RF & Signal Blocking Film

Window film that reduces radio-frequency signals passing through the glass.



Ordinary glass lets most radio signals through. This film is applied to existing windows to reduce RF leakage through the glazing and to hinder laser eavesdropping, without replacing the glass. Whole-room shielding also depends on the walls, doors and openings.

RF ATTENUATION	FREQUENCY	LASER RETURNS	DAYLIGHT
52 dB	18 GHz	99.8 %	55–70 %
Up to, manufacturer lab figure	From 100 kHz up to	Reduced by over, per maker	Visible light transmission

Benefits

- **Treats the weakest point.** Reduces RF through the glass.
- **Wide frequency range.** 100 kHz to 18 GHz, per lab data.
- **Hinders laser eavesdropping.** Damping layer and IR scattering.
- **Keeps the daylight.** No mirror finish.
- **No glass replaced.** Fitted to existing windows.
- **Measured on site.** Readings before and after, on request.
- **Blast mitigation reviewed.** Combined build-up confirmed per project.

Options

Existing glazing · Single or double glazed · Grounded to building earth · Blast film combination, per project · On-site testing

Technical data

ITEM	SPECIFICATION
Type	Sputtered metal RF and IR shielding film
RF attenuation	38 to 52 dB, 100 kHz to 18 GHz (manufacturer lab data)
Measured to	IEEE 299 method, as stated by the manufacturer
Infrared	Over 99.8% reduction, 850 to 1550 nm (manufacturer)
Light transmission	55 to 70%
Applied to	Inside face of existing glazing
Glass types	Toughened, laminated or double glazed
Grounding	Conductive tape to frame and building earth
Verification	Spectrum readings before and after
Blast option	Reviewed and confirmed per project

Where it is used

Network operations centres · Security operations centres · Data halls and meet-me rooms · Government and ministry offices · Secure meeting rooms · Embassies · Defence facilities · Command and control rooms · Boardrooms · Banks and trading floors · Research facilities · Critical infrastructure

Confirm the complete configuration. Performance, sizes and options are confirmed for each project. Send us the specification and drawings and we will confirm the proposed product and its supporting documents.

Send us your drawings and specification.

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