

SHWEHNA GROUP

Functional Materials | Healthcare RF Shielding | MRI Room Solutions

MRI RF Shielded Observation Window

Shwehna Group supplies RF shielded observation windows for MRI shielded rooms, combining high visibility, RF attenuation performance and modern interior design. These windows support clear patient observation from the control room while helping maintain the electromagnetic shielding integrity of the MRI room.

RF glass can be manufactured in custom sizes upon request and integrated into wall, skylight or observation-window applications according to project requirements.

Standard size (W x H)	120 cm x 90 cm - custom sizes available
Sound insulation	> 38 dB(A) / STC 40 natural acoustic performance
Magnetic shielding attenuation	> 100 dB in the 1-30 MHz range
Electrical shielding attenuation	> 100 dB in the 30-160 MHz range

Key Features

- High-visibility RF shielded viewing window for MRI control rooms
- Dual-layer RF shielding mesh for reliable attenuation performance
- 6.44 mm laminated safety glass configuration
- Lightweight and durable extruded aluminum frame
- Powder-coated finish for clean appearance and long service life

Applications

Suitable for MRI shielded rooms in hospitals, diagnostic imaging centers and healthcare facilities where RF shielding, patient visibility, acoustic comfort and aesthetic integration are required.

Technical data may be adjusted according to final project requirements, MRI OEM requirements and room layout.

Technical Specifications

Model	Window Size
Observation Window	(W x H): 120 cm x 90 cm



Image reference: RF shielded observation window concept for MRI room visibility and patient monitoring.

Project Notes

- Final dimensions can be customized according to architectural opening and MRI room design.
- RF continuity around the frame must be coordinated with the shielding envelope.
- Integration should be verified according to the required shielding performance and project specifications.