



MRI RF Shielded Door Systems

RF shielded MRI door technical sheet - branded for Shwehna Group while preserving the valuable technical content from the source file.

RF Attenuation > 100 dB	Frequency Ranges 1 - 30 MHz / 30 - 160 MHz	Acoustic > 44 dB(A) / STC-40
Standard Size 120 cm x 210 cm	Versions Standard or pneumatic	Opening 1.22 m x 2.13 m

Preserved Technical Text

The RF shielded MRI doors are designed for high-traffic MRI environments, offering high reliability, minimal maintenance, and long service life. The door ensures RF integrity while providing acoustic comfort and user-friendly operation.

Available in standard or pneumatic versions.

The standard door closes manually; the pneumatic door is air-driven and, on closing, its air gasket inflates to provide a full RF seal.

Sizes (WXH): 120 cm x 210 cm (Can be manufactured in requested dimensions.)

Sound insulation: > 44 dB(A)

Magnetic shielding attenuation value: > 100 dB in the range of 1 - 30 MHz

Electrical shielding attenuation value: > 100 dB in the range of 30 - 160 MHz

Key Features

- Easy-to-open, ergonomic pull handle and locking system
- Modern design with high-pressure laminate finish
- Natural acoustic insulation properties (STC-40)
- Low-profile threshold suitable for patient transfer
- Hygienic, easy-to-clean surfaces

Technical Specifications

- Perimeter EMI/RFI seals ensuring RF shielding
- RF attenuation: Meets clinical and research MRI system requirements
- Acoustic Rating: Certified STC-40 performance
- Durable aluminum frame with steel-reinforced structure
- Finish: High-pressure laminate or optional custom colors
- Nominal Clear Opening 1.22 m x 2.13 m (4 ft x 7 ft)
- Acoustic Rating STC-40
- Manufacturer / Supply: Shwehna Group - partner manufacturing in Istanbul, Turkey

Note: The original manufacturer line has been rebranded only where necessary for Shwehna Group presentation; technical values and feature statements are preserved.

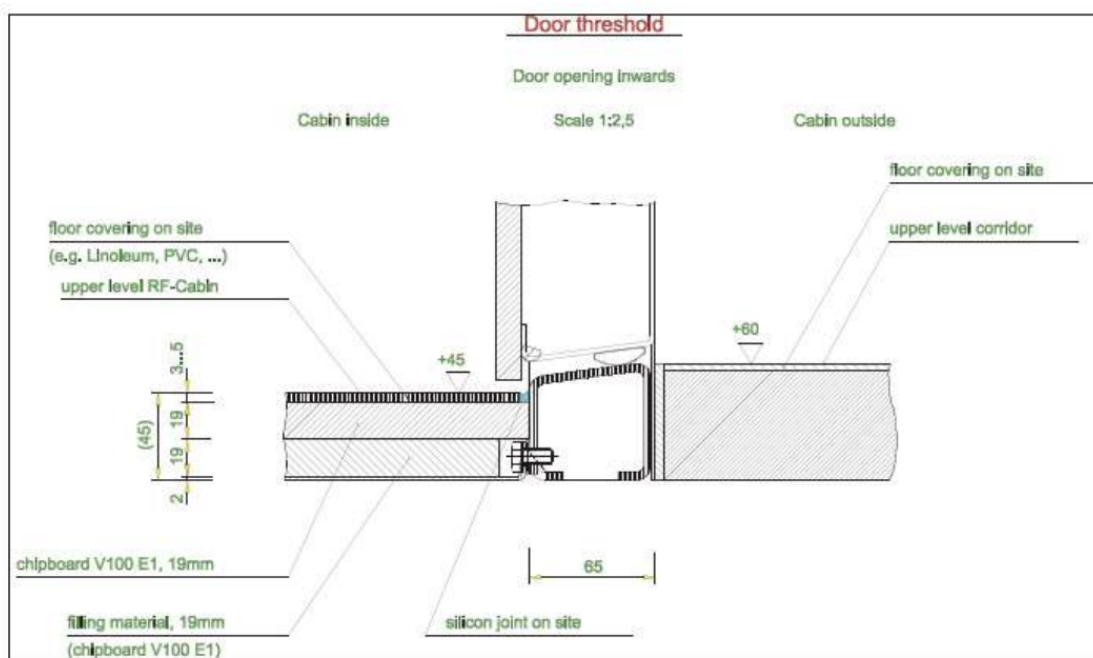
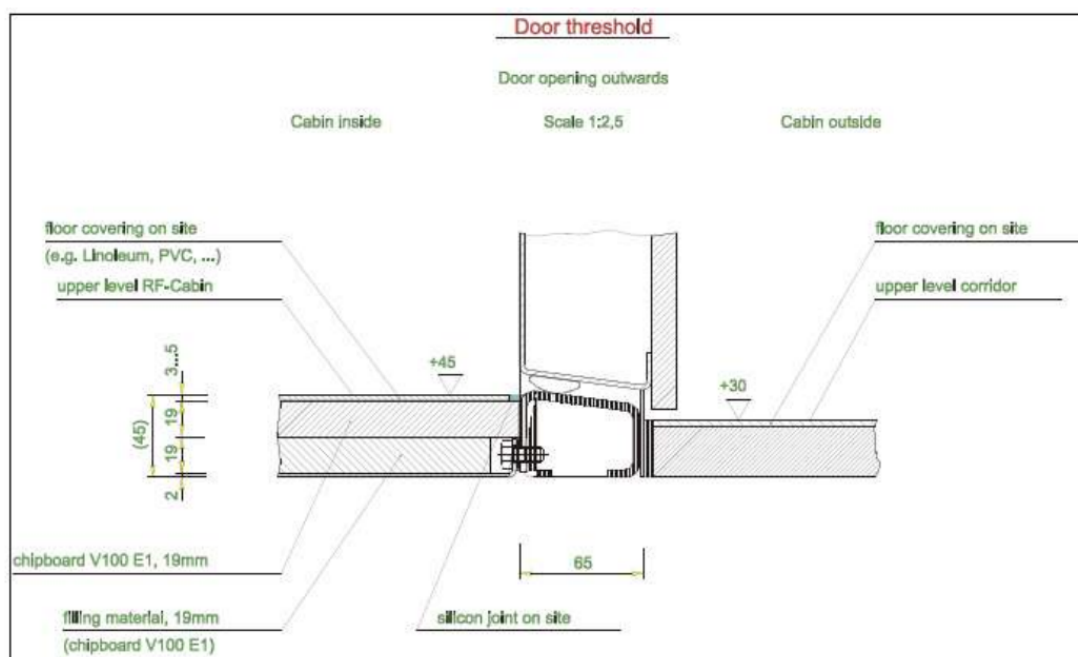
Reference Door Gallery

Reference images showing RF cabin installation and MRI RF door examples. The sustainable door image has been used as the hero image, while original visual references are preserved for technical value.



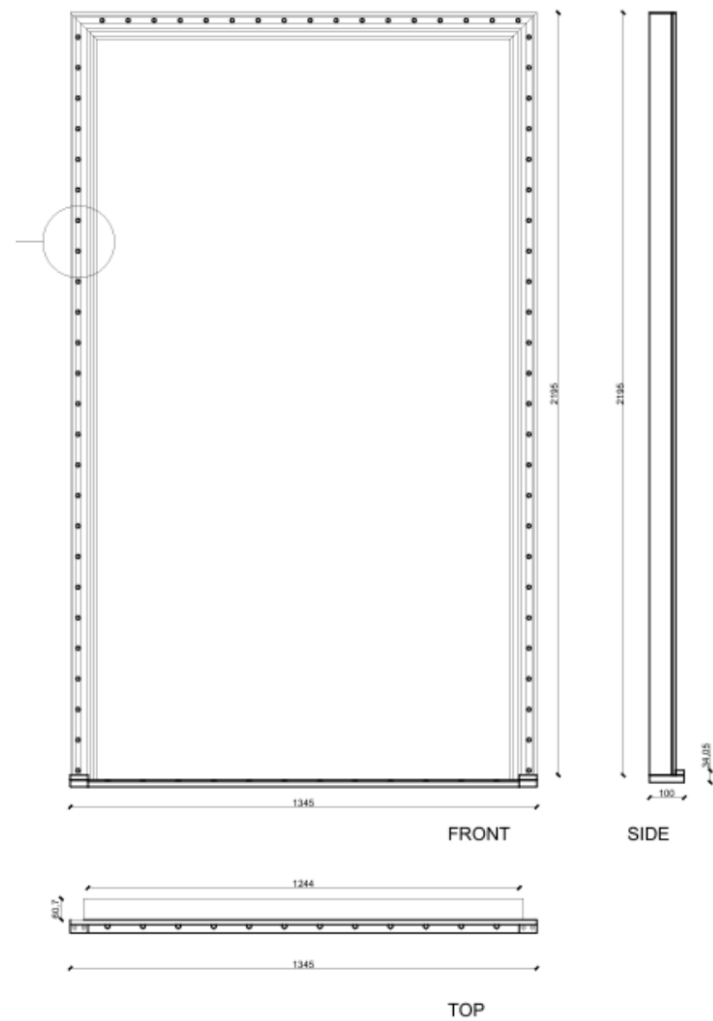
Door Threshold Detail

Original threshold detail retained. It shows outward and inward opening configurations, cabin inside/outside orientation, floor covering on site, upper level RF-cabin/corridor, chipboard V100 E1 19 mm, filling material 19 mm, silicone joint on site and 65 mm threshold profile.



Dimensional Reference

Original dimensional reference retained, including front, side and top views of the RF door assembly.



Required information for quotation

1	MRI system field strength (1.5T, 3T or other) and OEM/model
2	Room layout drawings (DWG/PDF) including shielded room dimensions
3	Door clear opening size, opening direction and finish requirement
4	Manual or pneumatic operation preference
5	Site floor build-up, threshold level and patient transfer requirements
6	Required RF attenuation report / acceptance testing scope

Shwehna Group
Healthcare | RF Shielding | Functional Materials
Website: www.shwehnagroup.com
Contact: Mahmoud Shwehna