

FrictionlessDOOR

RF soundproofing door «Frictionless»



The smooth opening for MR rooms

The «Frictionless RF soundproofing door» stands out not only due to the unique ease of operation but also because of the excellent soundproofing properties of $R_w = 43 \text{ dB}$. You'll be amazed.

Compared to the conventional RF door «StandardDOOR», this one requires absolutely no door contact fingers. Operating the RF door therefore requires very little force.

The RF seal is ensured by an inflatable seal that runs around the entire door leaf in a close-fitting manner. Once the door is closed, the seal inflates and squeezes itself into the door frame. That results in less wear and tear to the door and its frame. You get an almost maintenance-free RF door because there is no need to replace contact fingers on a regular basis.



Why SilentSHIELD™

A symphony concert, a chainsaw or disco music are somewhat comparable to the noise level of an MRI device. This noise should be reduced as much as possible. In addition to the structural measures, the components of the RF shielding also play a vital role. The cassette-construction with integrated acoustic insulation as well as the circular acoustic seals significantly reduce the noise level outside the RF shielding. That results in a relaxed working atmosphere for your staff and prevents conflicts with noise regulations in the workplace.

The perfect soundproofing

IMEDCO also offers windows, ceilings and walls in sound-absorbing **SilentSHIELD™** construction. The IMEDCO sound insulation system **SilentSHIELD™**, was tested by an independently Institute. Talk to us when it comes to acoustic issues, radiofrequency or magnetic shielding. Profit from our know-how and the decades-long experience as well as from several thousand successful installed RF shields all over the world.



Features and your benefits

- RF shielding attenuation according to MR specifications (≥ 100 dB @ 10-300 Mhz)
- Smooth-handling and easy to operate
- Lower maintenance costs
- Laboratory-tested insulation value $R_w = 43$ dB
- Tested according to EN ISO 10140-1 & 717-1
- Standard size: 1200 × 2100 mm
- Almost stepless threshold provides barrier-free access

Preconditions

- Operating pressure: 8 bar
- FAD 34 l/min
- Working pressure: 5 bar
- Dry and dust free pressure air (no water/oil)
- According to ISO 8573-1, Class 4
- Compressor by IMEDCO as an option

