

The doors and gates by Frankonia are designed according to industrial standards in respect of durability, flexibility and all kinds of safety issues related to the EC machinery directive.

### General characteristics for doors and gates

- Very strong construction for long-lasting stability
- RF-shielding realized with an innovative triple row of highly conductive contact springs
- The complete triple-row knife-edge system is easily exchangeable
- Threshold protection considered to avoid damage
- Materials are hot-galvanized for corrosion prevention
- All materials used are equal to the shielding to ensure continuous quality
- Clever and easy to maintain
- MTBF: tested for more than 20,000 opening/closing cycles
- Door frame and leaf finish color in RAL 9002, or individual color

The triple-row knife-edge system achieves by its innovative design the same shielding effectiveness as the standard shielding modules, and therefore offers continuous quality. This special development allows for complex double-pivoted hinges that stabilize the construction and greatly extend the lifespan of the highly conductive contact springs. Furthermore, this system reduces the maintenance intervals to a minimum, ensuring a stable shielding performance.



### Shielded doors

Frankonia new generation of personal shielded doors offers high performances, a modern design, it is lighter and it can be delivered with many new features and options.

#### Range:

- Single hinged door (SLD)
- Double-hinged door (DLI)
- Sliding door (SSD)

Standard Shielded Doors								
Type	Clear Opening		Locking			Absorber type		
	Width (mm)	Height (mm)	Manual (M)	Pneumatic (PN)	Electric (E)	no/Ferrite Absorber	Hybrid Absorber	Pyramid Absorber
SLD 09/19	938	1968	X	X	X	X	X	X
SLD 10/20	1013	2043	X	X	X	X		X
SLD 12/21	1238	2118	X	X	X	X	X	X
SLD 15/21	1538	2118	X	X	X	X	X	X
SLD S1	max. 1538	max. 2268	X	X	X	X	X	X
SLD S2	max. 1238	max. 2418	X	X	X	X	X	X
Custom	Customized solutions on request							



### Features

- Equal shielding attenuation as Frankonia's standard shielding acc.to EN 50147-1
- Integrated door stopper to limit the door movement
- Integrated locking system, interlock and sluice function, prepared for badge or code locking
- Triple-row knife-edge system of highly conductive contact springs
- Manual, electric or pneumatic latching
- Magnetic counter
- Dry contact N/O (normal open) and N/C (normal close) for amplifier standby remote information
- Color coating on frame, on external or internal leaf with RAL 9002 (light grey)
- On demand color coating according to RAL color range
- On demand high pressure laminated finish (HPL) on outside door leaf
- Perfectly integrated in the shielding and in-plane absorber lining
- Designed and built for long-lasting performance and stability
- User-friendly and safe use according to EC machinery directive