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
- Doorframe 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’s 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.

### Standard Shielded Doors

<table>
<thead>
<tr>
<th>Type</th>
<th>Clear Opening</th>
<th>Locking</th>
<th>Absorber type</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Width (mm)</td>
<td>Height (mm)</td>
<td>Manual (M)</td>
</tr>
<tr>
<td>SLD 09/19</td>
<td>938</td>
<td>1968</td>
<td>X</td>
</tr>
<tr>
<td>SLD 10/20</td>
<td>1013</td>
<td>2043</td>
<td>X</td>
</tr>
<tr>
<td>SLD 12/21</td>
<td>1238</td>
<td>2118</td>
<td>X</td>
</tr>
<tr>
<td>SLD 15/21</td>
<td>1538</td>
<td>2118</td>
<td>X</td>
</tr>
<tr>
<td>SLD 51</td>
<td>max. 1538</td>
<td>max. 2268</td>
<td>X</td>
</tr>
<tr>
<td>SLD 52</td>
<td>max. 1238</td>
<td>max. 2418</td>
<td>X</td>
</tr>
</tbody>
</table>

**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 according to EC machinery directive

**Range:**
- Single hinged door (SLD)
- Double-hinged door (DLD)
- Sliding door (SSD)

### Customized solutions on request