



**METAL SECURITY DOOR FOR APARTMENT**

MSE021 METAL SECURITY DOOR FOR APARTMENT X

version08

**Recommended use**

Security door used mainly in dwellings and multi-storey apartment buildings. Also suitable for use as external door with increased security class in industrial buildings, offices or front door of private houses.

**Dimensions**

The maximum dimensions of the door frame, mm: **1430 x 2920**  
Noise resistance R'w: **32dB**

**Construction**

Metal door with two locks opening outward. The door is manufactured of cold rolled sheet steel with stamping, edging and welding. Hinges are 3 welded steel hinges with ball bearing. Diameter of hinge axis is 10 mm. Security elements are security pins and lock boxes reaching into door sheet.

**Door sheet, sash**

**Door sheet** is 53 mm thick. Jacket edges are at all four sides. External and internal side is made of 1,25 mm thick sheet steel. Door sheet includes horizontal reinforcement ribs with U-profile. Insulation material is rock wool with thickness 50 mm. The high rigidity of the door panel is achieved via glueing together the metal and the insulation material.

**Sash** is made of 1,5 mm profiles of cold rolled sheet steel, connected in sash corners with welds. Sash can be ordered with cover slat covering lateral installation slots (type XM) or solution without cover slat, for installation deeper than wall surface (type XS). Elastic rubber gasket of door is fixed into groove in the sash.

**Threshold** is made of hot-zinced or painted sheet steel.

**Finish**

Doors are painted with polyester powder paint of the more conventional tones. Standard tones are RAL9010 (pure white), RAL7001 (silver grey), RAL8014 (sepia brown), RAL9007 (grey aluminium), RAL7024 (graphite grey), RAL9006 (white aluminium). The additional possibility is to have the door painted with bi-component polyurethane paint and epoxide priming paint in all the tones of RAL catalogue.

**Locks**

Usage locks of well-known lock manufacturers Abloy, Boda, Assa, and Nemeff can be installed on the door as lower locks and security locks of the above-mentioned companies as upper security locks.

**Installation**

Sash is fixed in six points with connectors and hexagonal screws 8 x 100 mm. Screw wrench size is 13 mm. Connector aperture diameter is 10,5 mm. Fixing apertures are covered with plastic plugs with diameter 19 mm.

Sash and installation slot of door will be filled with rock wool or construction foam after fixing. Package includes fixing screws, connectors and plugs. For more details see installation manual.

**Accessories**

The door can be improved and completed with following accessories:

- stainless steel threshold
- border slats
- eyehole, security chain, door catch
- window, ventilation grid, foot sheet
- core, core covers, door handle
- lock casing
- stainless steel hinges with ball bearing

**Maintenance**

Door must be checked and maintained at least in every six months. Check closing of door and operation of locking elements. Detailed information is available in maintenance manual. It is possible to sign a maintenance contract upon purchasing the door.

