

### General Information

The garage door is meant for private houses or apartment buildings. Door construction needs little space and seals on the side will ensure the door to be weatherproof and minimize heat loss. Sections are designed with finger protection so that it is impossible to put fingers between the panels.

### Dimensions

Construction aperture: Width (B) <math><5000</math>; Height (H) <math><3000</math>  
 Construction aperture with passage door: width (B) <math><4500</math>; height (H) **2180 - 3000**  
 Light aperture of passage door: **900 x 1860**  
 Lintel height (h): >350  
 Dimensions of light aperture = dimensions of construction aperture  
 Thickness of door sheet: **40**  
 Free lateral space (PL\*): >100

### Door Leaf

The door leaf is assembled from 40 mm thick insulated sections. For insulation dense freon free polyurethane foam is used. The foam is packed between sheets of Stucco embossed galvanized steel. Steel sections are coated with weatherproof polyester colour. Standard tones are inside white RAL9010 and outside white RAL9010, brown RAL8014 or silver RAL9006. Additional reinforcement strips are placed inside the panel in the upper and lower edge of the panel through which hinges are fastened. Thermal transmittance of the door sections is  $U = 0,9 W/(m^2 \cdot C)$ .

### Passage door

Passage door with overall dimensions 1030 x 1965 and illuminating surface with dimensions 900 x 1860 have been made of aluminium profiles and sealed with EPDM seal. You can get additional information about the closures for passage doors from the seller.

### Guiding System

Guiding tracks are installed inside the room. Tracks along which the door moves up and down with the help of rollers are manufactured from 1,5 mm thick galvanised steel. The system is suitable for apertures where the room above lintel (h) is more than 350 mm and space on the sides (PL\*) is more than 100 mm.

### Balancing

Highest quality torsion springs are used to balance the door leaf. Standard lifespan of springs is 15 000 cycles but it is possible to order springs for up to 100 000 cycles.

### Seals

EPDM rubber seals are used on the upper and lower edge of the door. On sides special PVC and rubber (TPM) seals are used. Seals are also placed in between the panels.

### Maintenance

Depending on the usage intensity of the door, a specialist with appropriate training must service the door after every 1,800 cycles. This must be done at least once per year – the usage life of the door will be significantly longer this way. It is possible to sign a maintenance contract upon purchasing the door.

### Additions

Following additions are available for garage door:

- Plastic windows
- Ventilation grids
- Automatic system
- External lock
- Passage door

### Standard

The garage door is manufactured according to harmonized standard EN 13241-1:2005+A1:2011.

