

Roma-door type GSD/2010-100

Application

The Roma-sliding door type GSD/2010-100 is a gastight robust and low maintenance door for application in cooler, Ultra Low Oxygen or Controlled Atmosphere environments with temperature above 0°C. The gastight doors are in-house produced and tested for a gas leakage rate of less than 0,20 cm³/100 m³ cell volume.

Door leaf

Door leaf made of horizontal placed sandwichpanels framed by a wide and sturdy anodized aluminium profile fitted with thermal break.

Frontside	: galvanized 0,60 mm steel sheet, finished with 200 µm plastisol coating with crocodile skin-pattern in colour RAL 5003 (sapphire-blue)
Backside	: galvanized 0,60 mm steel sheet, finished with rigid 150 µm pvc-film in colour RAL 9001 (cream-white)
Thickness	: 100 mm
Insulation core	: PIR-rigid foam, volume weight approx. 40 kg/m ³ , U-value 0,211 W/(m ² .K)

Frame

Installation	: built in Roma-sandwichpanel wall with counter profile
Frame	: sturdy anodised corrosion-resistant aluminium profile fitted with thermal break
Reveal	: 1,50 mm stainless steel 304 connecting on aluminium profile.

Functions

Gas-tight sealing	: by means of EPDM solid/sponge duplex-profile all around and 4 pieces of clamps fit to the wall.
Railssystem	: anodised aluminium rail with runner, equipped at the end with milled notches in order to guide the ball bearing-type travelling rollers between the track and roller and seal the door leaf hermetically to the frame and floor in closed position.
Cover cap	: integrated in rail system by sloped rail beam.
Guidance below	: aluminium corrosion-resistant profile attached to door leaf and hard plastic bracket on the floor.
Openers	: at both ends (backside an emergency-opener (built-in door panels).
Warning sign	: warning label danger of suffocation in languages english, german, french, polish and dutch.

Options at extra charge

- Locking devices, manual or automated
- Aluminium (color red RAL 3001) buffer beam with rubber buffer blocks at top ends.
- Door sill construction
- Inspection hatches in door leaf (double glazing in plastic frame)
- Escape hatch or window (double glazing in plastic frame)
- Cell numbers on door leaf
- 2 doors on 1 railbeam.
- Automatic operation with PLC-controlled motor positioned on rail beam and numerous control options such as easy opening.

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These illustrations and descriptions provide a general indication of the range of models, features and options available. This may differ from what is offered in the quotation