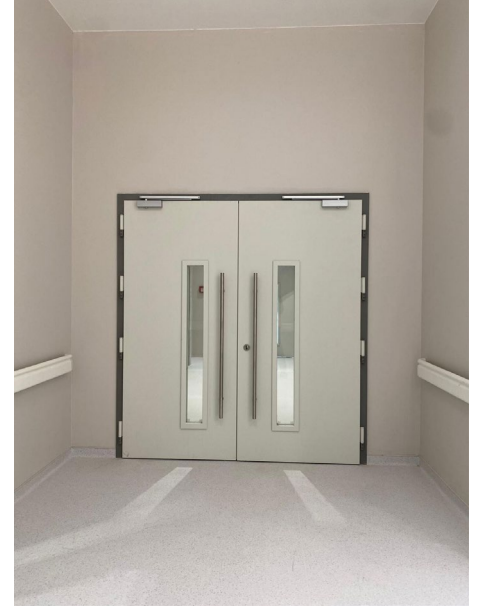


1. Introduction of IQDoors IQSteel Family PROTUM Line

a. IQSteel Family PROTUM Line

i. Technical Data Sheet



Ashgabat Pediatric Hospital, Turkmenistan, Samsun 900 bed PPP Project, Türkiye,

Single & Double leaf Fire Rated door & frame

IQSteel Series
Protum Family

Multipurpose (NFR)

EI2 30

EI2 60

EI2 90

* Fire Rating	30, 60, 90 min or NFR	in accordance with EN 1634-1
* Noise Control	R _w , P 31 dB (optional)	in accordance with DIN EN ISO 10140-2
* Smoke Protection	Yes (optional)	in accordance with EN 1634-3
* Glazing	Yes (optional)	

Range of Dimensions: Width from 400 mm to 2700 mm
 Height from 500 mm to 2800 mm
 (* special options are possible)

Technical specification

Product: IQsteel single&double leaf steel door brand IQDoors

Door Type: PROTUM Line

Fire Rating: NFR, EI2 30min, EI2 60min, EI2 90min, E90, E120

Door Leaf: Double walled, level ...* mm thick steel door leaf without hinge embossing, three sides folded with rebate without bottom stop. Special insulating inserts completely laid in and glued. Special safety bolt screwed in door leaf fold.

Leaf Thicknesses

Classification		EI2				E	
Fire Rating	NFR	30	60	90	120	90	120
Door Leaf Thickness in mm	50/73	73	73	73	73	73	73
* IQDoors reserve rights to make any change when necessary							

Frame: 3-sided circumferential folded corner frame with high-quality multi-chamber sealing profile adjustable fixed in the three sided groove.

Hinges: Threepart height-adjustable construction hinges with hinge pin retention and single ball-bearing ring for smooth door movement.

Materials:

Sheet Steel	: Galvanized Steel onto EN10346 Mild steel onto EN10346 Stainless Steel AISI 304 or AISI 316
Door leaf steel thickness	: 0,9mm to 1,2mm (1,0mm standard)
Door Frame steel thickness	: 1,4mm to 2,0mm (1,5mm standard)

Technical specification

Product:	IQsteel single&double leaf steel door brand IQDoors	
Door Type:	PROTUM Line	
Materials:	Exterior doors finish	: Electrostatic powder coating factory finish painting
	Interior doors finish	: Electrostatic powder coating factory finish painting
	Structural Steel	: EN10346
	Leaf Thickness	: Min. 50mm max 75mm
	Leaf Type	: Rebated (15mm)
	Frame depth	: min. 100mm
	Frame Type	: min. 100mm
	Reinforcement	: Corner, adjustable (changes to wall thickness)
	Core Insulation	: Galvanised steel stiffners min 1,5mm :
		Rockwool infill Minimum density of
		120kg/m3 (insulated, depends according to Fire rating level)
	Primer	: Rust inhibitive zinc phosphate.
	Glazing thickness	: Fire rated glass with relevant glass
