



DECLARATION OF PERFORMANCE

No. PREST-ALL2021- APO.FF_110-140_001 (en)

1. Unique identification code for the product type:

**APO 110 S, APO 110 DS, APO 120, APO 120 D, APO 130, APO 130 D, APO 140,
type MIBA industrial sectional door**

Dimensions: width up to 8500mm and height up to 7000mm

2. Intended use(s):

The manually operated or powered door with the accompanying installation hardware for applications subject to specific requirements, in particular energy, closure and safety in use, is intended to be used for secure access in industrial buildings

3. Manufacturer:

Miba bv, Begijnenmeers 12, 1770 Liedekerke, Belgium

4. Authorised representative:

Not applicable

5. The system(s) for the assessment and verification of constancy of performance:

System 3

6. The technical assessment body:

RISE Research Institutes of Sweden AB with identification number 0402

7. Indicated performance:

1. Resistance to wind load according to section 4.4.3 of EN 13241:2003
+A2:2016 (AVCP 3)

Door panel type	Wind load class
Kingspan 40 mm	3
Kingspan 40 mm, with passdoor SafeStep	3
Kingspan 80 mm	4
Kingspan (Ward) 80 mm, 4 windows	4
Metecno Door Panel Monowall non-fingersafe	3
Metecno Door Panel Monowall non-fingersafe, with passdoor	1
Metecno Door Panel Monowall non-fingersafe, with windows	2
Metecno Door Panel Monowall non-fingersafe, with windows and with passdoor	0
Metecno Door Panel Monowall non-fingersafe, with windows, with cylinder lock and handle/footplate 1 or handle/footplate 2	3
ThyssenKrupp-Hoesch (Sectiotec®), std	4
ThyssenKrupp-Hoesch (Sectiotec®), std, with passdoor	1
ThyssenKrupp-Hoesch (Sectiotec®plus), 40 mm fingersafe	3
ThyssenKrupp-Hoesch (Sectiotec®plus), 40 mm fingersafe, with passdoor SafeStep	1
Epcoc H-series, I-series, 40 mm non-fingersafe	4
Epcoc H-series, I-series, 40 mm non-fingersafe, with passdoor	1
Epcoc R-series, 40 mm, fingersafe	4
Epcoc R-series, 40 mm, fingersafe, with passdoor SafeStep	1
Flexi-Force Full vision, non-fingersafe	3
Flexi-Force Full vision, no finger guard, with passdoor	1
Flexi-Force - Kingspan / Metecno / ThyssenKrupp-Hoesch / Epcoc, Full vision, fingersafe	4
Flexi-Force - Kingspan / Metecno / ThyssenKrupp-Hoesch / Epcoc, Full vision, fingersafe, with passdoor SafeStep	1

2. Air permeability according to section 4.4.6 of EN 13241:2003+A2:2016 (AVCP 3)

Door panel type	Air permeability class
Kingspan 40 mm	2
Kingspan 40 mm, with passdoor SafeStep	0
Kingspan 80 mm	4
Kingspan (Ward) 80 mm, 4 windows	4
Metecno Door Panel Monowall non-fingersafe	4
Metecno Door Panel Monowall non-fingersafe, with passdoor	2
Metecno Door Panel Monowall non-fingersafe, with windows	3
Metecno Door Panel Monowall non-fingersafe, with windows and with passdoor	1
Metecno Door Panel Monowall non-fingersafe, with windows, with cylinder lock and handle/footplate 1 or handle/footplate 2	3
ThyssenKrupp-Hoesch (Sectiotec®), std	4
ThyssenKrupp-Hoesch (Sectiotec®), std, with passdoor	1
ThyssenKrupp-Hoesch (Sectiotec®plus), 40 mm fingersafe	4
ThyssenKrupp-Hoesch (Sectiotec®plus), 40 mm fingersafe, with passdoor	1
Epco H-series, I-series, 40 mm non-fingersafe	2
Epco H-series, I-series, 40 mm non-fingersafe, with passdoor	0
Epco R-series, 40 mm, fingersafe	2
Epco R-series, 40 mm, fingersafe, with passdoor	0
Flexi-Force Full vision, non-fingersafe	3
Flexi-Force Full vision, non-fingersafe, with passdoor	1
Flexi-Force - Kingspan / Metecno / ThyssenKrupp-Hoesch / Epco, Full vision, fingersafe	4
Flexi-Force - Kingspan / Metecno / ThyssenKrupp-Hoesch / Epco, Full vision, fingersafe, with passdoor SafeStep	1

3. Water-tightness according to section 4.4.2 of EN 13241:2003+A2:2016 (AVCP 3)

Door panel type	Water-tightness class
Kingspan 40 mm	3
Kingspan 40 mm, with passdoor SafeStep	0
Kingspan 80 mm	3
Kingspan (Ward) 80 mm, 4 windows	3
Metecno Door Panel Monowall non-fingersafe	3
Metecno Door Panel Monowall non-fingersafe, with passdoor	0
Metecno Door Panel Monowall non-fingersafe, with all windows FF No. 2400-90	0
Metecno Door Panel Monowall non-fingersafe, with all windows FF No. 2400-90 and with passdoor	0
Metecno Door Panel Monowall non-fingersafe, with: window no. 2380, window no. 2390 or window no. 2400-90 window no. 2445 or window no. 2397 cylinder lock no. 637 handle/footplate no. 640T handle/footplate no. 642BL	0 0 0 0 3
Metecno Door Panel Monowall non-fingersafe, with: window no. 2400-90 window no. 2397 or cylinder lock no. 637 handle/footplate no. 640T	2 0 3
ThyssenKrupp-Hoesch (Sectiotec®plus), 40 mm fingersafe with: all windows cylinder lock no. F	3 0
ThyssenKrupp-Hoesch (Sectiotec®), std	2
ThyssenKrupp-Hoesch (Sectiotec®), std, with passdoor	0
ThyssenKrupp-Hoesch (Sectiotec®plus), 40 mm fingersafe	3
ThyssenKrupp-Hoesch (Sectiotec®plus), 40 mm fingersafe, with passdoor SafeStep	0
Epco H-series, I-series, 40 mm non-fingersafe	3
Epco H-series, I-series, 40 mm non-fingersafe, with passdoor	0
Epco R-series, 40 mm, fingersafe	3
Epco R-series, 40 mm, fingersafe, with passdoor	0
Flexi-Force Full vision, non-fingersafe	3
Flexi-Force Full vision, non-fingersafe, with passdoor	0
Flexi-Force - Kingspan / Metecno / ThyssenKrupp-Hoesch / Epco, Full vision, fingersafe	3
Flexi-Force - Kingspan / Metecno / ThyssenKrupp-Hoesch / Epco, Full vision, fingersafe, with passdoor SafeStep	0

4. Thermal resistance according to section 4.4.5 of EN 13241:2003+A2:2016 (AVCP 3)

Door panel type	Heat transfer coefficient class, W/(m ² K)
Kingspan, Nouveau 500, 610 mm	0.9
Kingspan, Industrial 500, 610 mm	0.9
Kingspan 80 mm	0.54
Metecno Door Panel, Monowall	0.8
ThyssenKrupp-Hoesch (Sectiotec [®] plus), fingersafe	1.2
ThyssenKrupp-Hoesch (Sectiotec [®]), standard	1.0
Epco H-series, I-series, 40 mm, non-fingersafe	1.2
Epco R-series, 40 mm, fingersafe	1.4
Flexi-Force, Full vision, non-fingersafe	-
Flexi-Force - Kingspan / Metecno / ThyssenKrupp-Hoesch / Epco, Full vision, fingersafe	-

5. Safe opening according to section 4.2.8 of EN 13241:2003+A2:2016 (AVCP 3)

Component (Flexi-Force types)	Door weight result
Spring break device: type 670, 675 and 675-125 (each 225 kg)	Compliant ---
Cable break device: 2" type: 444 2" type: 440-600, 440LHR, 440REGL 2" type: 440, 440S 2" type: 440HD 3" type: 440-3	Compliant 400kg 750kg 750kg 960kg 750kg

6. Durability of watertightness, thermal resistance and air permeability against degradation according to section 4.4.7 of EN 13241:2003+A2:2016 (AVCP 3)

Requirements	Result
Durability of watertightness, thermal resistance and air permeability against degradation	Compliant

7. Operation forces according to section 4.3.3 of EN 13241:2003+A2:2016 (AVCP 3)

Machinery MFZ	Control unit // Sensor	Safety edge	Door weight result
MFZ MDF2-17	AS1.3 // OS12	Flexiforce 1039-95 MFZ P2 MFZ P6	Compliant, max. 700 kg
MFZ SA-0,37-20	AS1.3 // OS12	Flexiforce 1039-52 Flexiforce 1039-95 MFZ P2 MFZ P6	Compliant, max. 700 kg
MFZ SAC-0,37-20	AS2.1 // OS12	Flexiforce 1039-52 Flexiforce 1039-55 MFZ P2	Compliant, max. 700 kg
MFZ STA-0,37-20	AS1.3 // OS12	Flexiforce 1039-52 Flexiforce 1039-55 Flexiforce 1039-95 MFZ P2 MFZ P6	Compliant, max. 700 kg
MFZ STA-0,37-20	NM1 // OS12	Flexiforce 1039-52 Flexiforce 1039-55 Flexiforce 1039-95 MFZ P2 MFZ P6	Compliant, max. 700 kg
MFZ STA1-11-24 KU, 24 rpm	MFZ CS 300 // MFZ Opto sensor	Flexiforce 1039-52 Flexiforce 1039-55 MFZ P2	Compliant, max. 700 kg
MFZ STA1-11-24 KU, 24 rpm	MFZ CS 300 // Flexiforce Opto sensor	Flexiforce 1039-52	Compliant, max. 700 kg
MFZ STA1-11-24 KU, 24 rpm	MFZ AS 130 // Flexiforce Opto sensor	Flexiforce 1039-52	Compliant, max. 700 kg
MFZ STA1-11-24 KU, 24 rpm	MFZ AS 130 // MFZ Opto sensor	Flexiforce 1039-52 MFZ P2	Compliant, max. 700 kg
MFZ STA1-11-24 KU, 24 rpm	MFZ AS 210B // MFZ Opto sensor	Flexiforce 1039-52 MFZ P2	Compliant, max. 700 kg
MFZ STA1-12-19 KU, 19 rpm	MFZ AS 210B // MFZ Opto sensor	Flexiforce 1039-52 Flexiforce 1039-55 MFZ P2	Compliant, max. 700 kg
MFZ STA1-12-19 KU, 19 rpm	MFZ AS 130 // MFZ Opto sensor	Flexiforce 1039-52 Flexiforce 1039-55 MFZ P2	Compliant, max. 700 kg

Machinery Nice	Control unit / Sensor	Safety edge	Door weight result
Mtec SD-1	Mtec UST1 // Witt optosensor	Flexiforce 1039-52 Flexiforce 1039-55 Mtec OS-A-P1	Compliant, max. 700 kg
Mtec SD-2	Mtec UST1 // Witt optosensor	Flexiforce 1039-52 Flexiforce 1039-55 Mtec OS-A-P1	Compliant, max. 700 kg
Mtec SDL 10024-EKU, 24 rpm	Mtec UST1KL// Flexiforce Opto sensor	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 400 kg
Mtec SDL 10024-EKU, 24 rpm	Mtec UST1KL // Mtec OS-SES-A	Flexiforce 1039-52 Flexiforce 1039-55 Mtec OS-A-P1	Compliant, max. 400 kg
Mtec SDL 10024-EKU, 24 rpm	Mtec UST2L // Mtec OS-SES-A	Flexiforce 1039-52 Flexiforce 1039-55 Mtec OS-A-P1	Compliant, max. 400 kg
Mtec SDL 10024-EKU, 24 rpm	Mtec UST2L // Flexiforce Opto sensor	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 400 kg
Mtec SDL 14017- EKU, 17 rpm	Mtec UST2L // Flexiforce Opto sensor	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 550 kg
Mtec SDL 14017- EKU, 17 rpm	Mtec UST1KL // Flexiforce Opto sensor	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 550 kg
Mtec SWL07020, 20 rpm	Mtec UST1KL // Flexiforce Opto sensor	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 350 kg
Mtec SWL07020, 20 rpm	Mtec UST1KL // Mtec OS-SES-A	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 350 kg
Mtec SWL07020, 20 rpm	Mtec UST2L // Mtec OS-SES-A	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 350 kg
Mtec SWL07020, 20 rpm	Mtec UST2L // Flexiforce Opto sensor	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 350 kg
Mtec SDL14617, 17 rpm	Mtec UST1KL // Mtec OS-SES-A	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 550 kg
Mtec SDL14617, 17 rpm	Mtec UST2L // Mtec OS-SES-A	Flexiforce 1039-52 - Flexiforce 1039-55 Fraba Vitector OSE-P257500 Mtec OS-A-P1	Compliant, max. 550 kg
Mtec SDL10024, 24 rpm -- 50 Hz	Mtec UST1FU // Mtec OS-SES-A	Mtec OS-A-P 1	Compliant, max. 350 kg
Mtec SDL10024, 24 rpm -- 50 Hz	Mtec UST1FU // FF Opto sensor	Mtec OS-A-P 1	Compliant, max. 350 kg
Mtec SDL10024, 19,2 rpm -- 40 Hz	Mtec UST1FU // Mtec OS-SES-A	Mtec OS-A-P 1	Compliant, max. 350 kg
Mtec SDL10024, 19,2 rpm -- 40 Hz	Mtec UST1FU // FF Opto sensor	Mtec OS-A-P 1	Compliant, max. 350 kg

Machinery Marantec	Control unit / Sensor	Safety edge	Door weight result
Dynamic 3XX	Control 144N // SKS optosensor	Flexiforce 1039-95	Compliant, max. 700 kg
Dynamic 3XX	Control 144N // SKS optosensor	Marantec 63826 Torabschlussprofil Flexiforce 1039-52	Compliant, max. 550 kg
Dynamic 3FU	Control 145FU-S // SKS optosensor	Flexiforce 1039-95	Compliant, max. 700 kg
Dynamic 1XX	Control 14N // SKS optosensor	Marantec 63826 Torabschlussprofil Flexiforce 1039-52	Compliant, max. 550 kg

Machinery Chamberlain	Control unit / Sensor	Safety edge	Door weight result
Chamberlain DK90/22	Feig TST 2 // -	Gelbau 002.10	Compliant, max. 700 kg
Chamberlain DK90/22	Feig TST 2 // Fraba OSE	Flexiforce 1039-95 Fraba P259000	Compliant, max. 700 kg
Chamberlain DK70/30	Feig TST 2 // Fraba OSE	Flexiforce 1039-52 Fraba P2575010605 Fraba P456000	Compliant, max. 550 kg
Chamberlain DK70/30	Feig TST 2 // -	Gelbau 002.10	Compliant, max. 550 kg
Chamberlain DK90/22	Feig TST 2 // Fraba OSE	Flexiforce 1039-52 Flexiforce 1039-55 Fraba P2575010605 Fraba P456000	Compliant, max. 550 kg
Chamberlain DK90/22	Feig TST 2 // -	Gelbau 31000804	Compliant, max. 550 kg
Chamberlain 3800A	Internal // Internal	Flexiforce Standaard Flexiforce 1039-95	Compliant, max. 200kg

Machinery Force	Control unit / Sensor	Safety edge	Door weight result
Force 140AC	Dalmatic STD V.7E // OSE-1113926	OSE signal LP in 1039-52 rubber OSE signal LP in 1039-55 rubber	Compliant, max. 700 kg
Force 140AC	Dalmatic STD V.7E // (wireless)	OSE WL kit in 1039-52 rubber OSE WL kit in 1039-55 rubber	Compliant, max. 700 kg
Force 90AC, 24 rpm	STD V.7E // Witt Opto sensor	Flexiforce 1039-52 Flexiforce 1039-55 Albany 006-207 Novoferm 1286630 Fraba 456000	Compliant, max. 550 kg
Force 90AC, 24 rpm	STD V.7E // Dalmatic Opto sensor TSS 10/RSS 10	Flexiforce 1039-52 Flexiforce 1039-55 Albany 006-207 Fraba 456000 Novoferm 1286630 Novoferm 1286000	Compliant, max. 550 kg
Force 90AC, 24 rpm	STD V.7E // Vitector Fraba Opto sensor OSE-S 1100	Flexiforce 1039-52 Fraba 456000 Novoferm 1286630 Novoferm 1286000	Compliant, max. 550 kg
Force 60AC	AERF, SIMPLY 1 H4 // OSE-1113926	OSE signal LP in 1039-52 rubber OSE signal LP in 1039-55 rubber	Compliant, max. 300kg

Machinery Sommer ISA	Control unit / Sensor	Safety edge	Door weight result
Sommer ISA 200M/25 DKS	Sommer ITS-M-A // Flexiforce/Witt Opto sensor	Flexiforce 1039-52	Compliant, max. 700 kg
Sommer ISA 200M/25 DKS	Sommer ITS-M-A // Flexiforce/Witt Opto sensor	Flexiforce 1039-55	Compliant, max. 550 kg
Sommer ISA 280M/20 DKS	Sommer ITS-M-A // Flexiforce/Witt Opto sensor	Flexiforce 1039-52 Flexiforce 1039-55	Compliant, max. 550 kg
Sommer ISA 280M/20 DKS	Sommer ITS-M-A // Flexiforce/Witt Opto sensor	Flexiforce 1039-52 Flexiforce 1039-55	Compliant, max. 700 kg

8. Definition of the geometry of glass components according to section 4.2.5 of EN 13241:2003+A2:2016 (AVCP 3):

COMPLIANT

9. Dangerous substances according to section 4.2.9 of EN 13241:2003+A2:2016 (AVCP 3):

COMPLIANT WITH THE REGULATIONS IN FORCE IN BELGIUM

10. Mechanical resistance according to section 4.2.3 of EN 13241:2003+A2:2016 (AVCP 3):

COMPLIANT

11. Mechanical durability according to section 4.2.4 of EN 13241:2003+A2:2016 (AVCP 3):

NUMBER OF CYCLES 15,000

The performance of the product described above complies with the specified performance.

This declaration of performance is issued in accordance with Regulation (EU) No 305/2011 under the sole responsibility of the manufacturer mentioned above.

Signed for and on behalf of the manufacturer by:

Mr Schots Marc

In Liedekerke on the date: September 1, 2021

