

**ELEGANT DOORS.
INVISIBLE SECURITY**



www.munitussecurity.com

MUNITUS BESPOKE SECURITY DOORS AND WINDOWS MIGHT BE ANY DESIGN.

Suppose You need to match the new door's design to the old one maintaining the building's architectural heritage, or you just spotted a door's design and would like to have the same in your home, no problem. In that case, we will design the door and security level according to your needs.



Installed Munitus security door in UK



Only high-security locks



Assembled door in Munitus production



About us

We are a professional team with tremendous experience in engineering and manufacturing custom security products, such as burglary-resistant, bullet-proof and fire-resistant doors, windows and other custom-made products related to access control.

With our knowledge, experience and modern production equipment, we can meet the demand of our global distribution network to supply the highest-quality custom security products.

We rigorously test and certify according to worldwide recognized security standards our products at international laboratories and accredited certification bodies to ensure that our products are as safe and secure as they are nice looking.

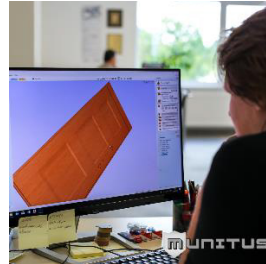
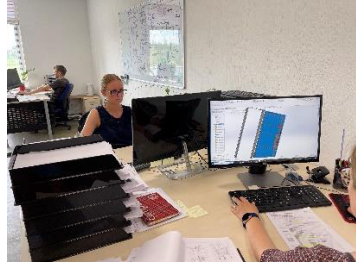
Munitus is awarded ISO 9011 certification. That ensures our products meet our client's needs through an effective quality management system whilst maintaining rigorous standards.



Munitus production line

1

Our engineers using AutoCAD and SolidWorks soft prepare the drawings for confirmation with the clients, and later confirmed orders are placed into production.



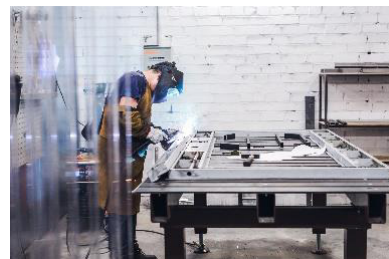
2

Munitus production line in the metal shop. Only high-quality Swiss and Japanese machinery. That lets us produce precisely and efficiently, which is a significant advantage in quality competition.



3

Welding is one of the essential processes in our production line. Most Munitus products are bespoke and made to measure all welding done by our highly skilled staff with more than 15 years of experience in welding security doors and windows.



4

Powder painting metal structures in Munitus factory of security doors and windows.



5

Our CNC milling machines can mill wood, MDF, aluminium and many other materials in 2D and 3D in excellent quality.



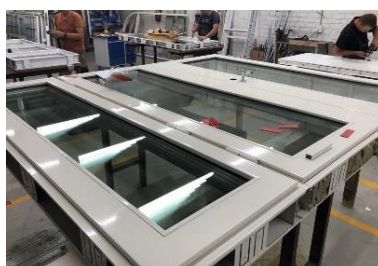
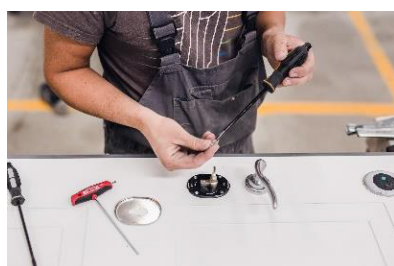
6

Finishing panels: After the boards are milled, they go through a long process, including the preparation for painting by gently brushing by our highly experienced staff's hands, followed by priming and painting.



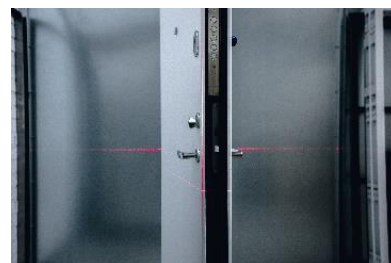
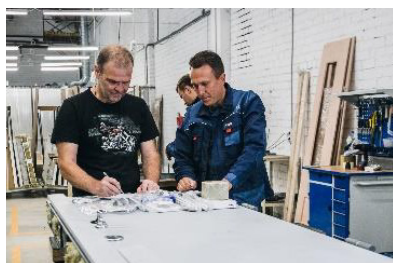
7

Assembly shop is where the robust metal construction of the door or window unites with beautiful custom-made finishing panels, security locking systems and other hardware into a complete package.



8

Last quality control: reviewed all door's components, and straight of the door leaf checked by the leaser.



9

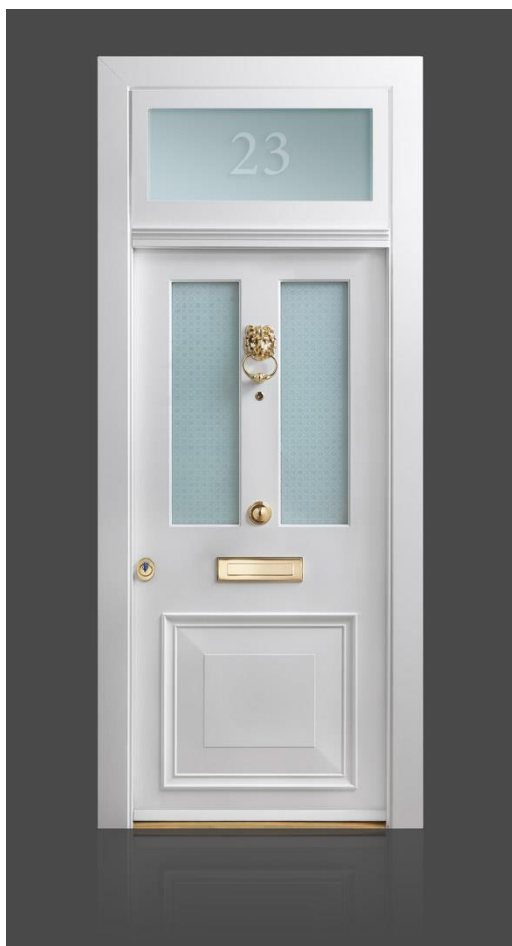
The packing depends on transportation. For air cargo or ocean ships, we pack special reinforced boxes. For local deliveries, we use simpler packing.



MUNITUS - PROFESSIONALS IN DESIGNING AND PRODUCING CUSTOM-MADE SECURITY DOORS AND WINDOWS.



BEAUTIFUL ACCESSORIES AND DIFFERENT
TYPES OF FINISHING PANELS ARE AVAILABLE
ON MUNITUS SECURITY DOORS.



Testing and certification

Munitus managing team have been designing doors and participating in hundreds of quality tests in worldwide notified laboratories for burglary resistance, bulletproof, fire resistance, smoke control, soundproofing, thermal insulation, durability, and many other tests related to the quality of security doors. With our huge experience, we can provide the market with only the best quality products that are tested and certified.



Munitus is certified according to ISO 9001:2015 standard by SGS, the World's leading inspection, verification, testing and certification company. SGS listed: Certification ID: LT21/0289

Burglary resistance tests were performed in Europe, and the US Intertek notified the test laboratory. According to EN 1627:2011 + A1: 2016 (EN 1628; 1629; 1630) standard, and according to Department of State Standard SD-STD-01.01 Rev. G.

Bulletproof tests are performed in the US test laboratory NTS Chesapeake according to UL 752 and NIJ 0801.01 standards, which are equivalent to the European EN 1522/1523 bullet resistance standard.

Fire Resistance and Smoke control under EN 13501-2:2016 standard, EN 16034-1:2014+A1:2018 standard which is equivalent to British Standard BS 476.

Munitus door's resistance to fire, smoke control and durability are certified by Kiwa Inspecta.



Munitus Doors models

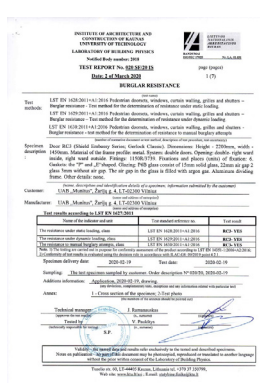
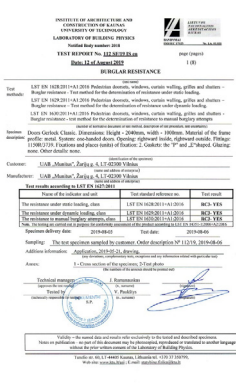
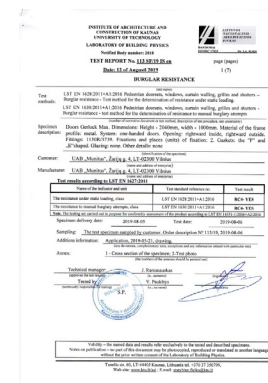
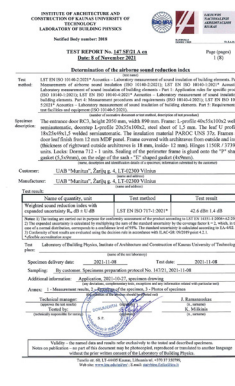
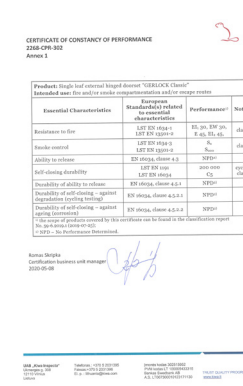
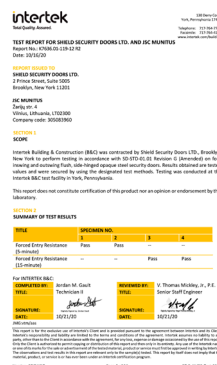
All our door models are based on the security level.

1. From door model **Gerlock Classic RC3**, which meets all requirements of burglary resistance for class 3 under EN 1627:2011 + A1: 2016 (EN 1628; 1629; 1630) standard.
2. Door model **Gelock Max RC4** meets all burglary resistance requirements for **class 4 under EN 1627:2011 + A1: 2016** (EN 1628; 1630) standard.

Up to higher security door models range **“Diplomatic Security.”**

3. Door models **Munitus FE 5** and **FE15** meet requirements of burglary resistance according to Department of State Diplomatic Security Forced Entry and Ballistic Resistance of Structural Systems Standard SD-STD-01.01 Rev. G level FE5 and FE15.

All Munitus door models have passed many quality tests in notified laboratories Worldwide, such as fire resistance, security and bullet resistance, sound, heat insulation, etc.



Door model **GERLOCK CLASSIC RC3** - for more than standard security

That is one of the most popular Munitus security door models. Strong enough to withstand professional burglary attack, certified for fire resistance and smoke control, burglary test performed in notified laboratory for single and double doors, also with glasses.

That is one of the most popular Munitus security door models.

The main features:

Certified for fire and smoke control – **EI2 30/ EI45 C5Sa.**

Burglary resistance - **RC3 class.**

Sound insulation – **42.6 dB**

U Value – **1.3 W(m2K)**

Weight per square meter ~53 kg

Robust steel construction can be covered with many types of skin.

It can be used for interior and exterior conditions (using suitable finishing panels and electro-galvanized steel for metal construction).

Custom sizes, bespoke designs,

With security glass,

Motorized locking options (operates with any access

control system).

Bullet-resistant FB4 upgrade is available.



Certification Kiwa Inspecta Notified body No. 2268	Certificate of constancy of performance 2268-CPR-302
Resistance to repeated opening and closing EN 11911:2013 standard,	C5 200 000 cycles
Burglary resistance under EN 1627:2011 + A1:2016 standard.	RC3 (3 class)
Classification of Fire Resistance and Smoke control under EN 13501-2:2016 standard EN 16034-1:2014+A1:2018 standard Acoustics – measurements of sound insulation. EN ISO 10140-2:2021 Thermo transmittance (U Value)	EW 30-C5Sa, C5S200 / EI1 30- C5Sa, C5S200 / EI2 45-C5Sa, C5S200 / E 45 – C5Sa, C5S200 42.6 dB (+ - 1.4dB) 1.3 W(m2K)

Munitus door model **Gerlock Classic RC3** meets all requirements of burglary resistance for **Class 3 under EN 1627:2011 + A1: 2016** (EN 1628 resistance under static loading; EN 1629 resistance under dynamic loading; EN 1630 resistance under manual burglary attempts.)

Burglary resistance tests were performed for single-door and double-leaf doors (also with the glasses).

Single leaf burglary test door with glass dimensions: height - 2200 mm width - 1050 mm. P6B glass consists of 15 mm solid glass, 20 mm gap, and 33.2 glass. Tested inwards and outwards opening.

Double leaf burglary test door dimensions: height - 2200 mm width - 1450 mm. P6B glass consists of 15 mm solid glass, 20 mm gap, and 33.2 glass. Tested inwards and outwards opening.

Fire and smoke control tests door dimensions: height - 2062 mm - 942 mm width. Door dimensions might increase to +15% width, +15% height, and +20% area.



Door model GERLOCK MAX - for very high security

That is prevalent our security door model when very high security is required. Strong enough to withstand long professional burglary attacks. Burglary tests performed in notified laboratory for RC4 level under EN 1627:2011 + A1: (EN1628; 1630) standard.

Robust steel construction can be covered with many types of skin and filled with 60 mm of rock wool, which gives excellent heat and sound insulation.

As all our doors are custom-made, they can have any design and can be used for inside and outside conditions (using suitable finishing panels and electro-galvanised steel for metal construction).

Custom sizes, bespoke designs, motorised locking options (operates with any access control system), and bullet-resistant upgrades are available.

- High-security lock, not less than 7th security class;
- Multipoint lock system;
- Custom decorative wood panels;
- Hinge side studs (Ø16 mm) - 8 items;
- Solid steel sheet;
- Thermal insulation 60 mm rock wool;
- The lock bodies are installed in protective steel boxes;
- Protective steel plates from another side;
- Manganese plates for security lock drilling protection;
- Drop-in ball-bearing security hinges;
- Stainless steel or other type threshold.



Diplomatic security doors range



DOOR MODEL - MUNITUS FE5

Munitus FE 5 door model is **reinforced** our door model **Gerlock Classic RC3** version. The reliability of this security door model to withstand burglary attacks was tested and approved in a prestigious test laboratory **Intertek** in the U.S., according to **Department of State Diplomatic Security Forced Entry and Ballistic Resistance of Structural Systems Standard SD-STD-01.01 Rev. G level FE5**.

During that test, there is a concentrated assault on the three most vulnerable locations (centre of the door, lock side and hinges side), 5 minutes for each attack, two muscular testers use heavy-duty tools. Tests were performed for both door sides, outswing and inswing opening.

The exterior dimensions of the door leaf and the frame, the main features of the door sound insulation, thermal transmittance, and indication of fire and smoke resistance are the same as in the **Gerlock Classic RC3** door model.

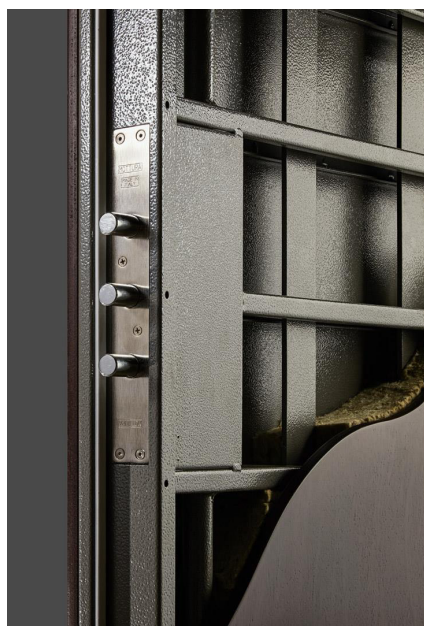
Upgrade to bullet-proof FB4 is available.

DOOR MODEL - MUNITUS FE15

Munitus FE15 door model is reinforced our door model **Gerlock Max RC4** version. The reliability of this security door model to withstand burglary attacks was tested and approved in a prestigious test laboratory **Intertek** in the U.S, according to **Department of State Diplomatic Security Forced Entry and Ballistic Resistance of Structural Systems Standard SD-STD-01.01 Rev. G level FE15**.

During that test, there is a concentrated assault on the three most vulnerable locations (centre of the door, lock side and hinges side), for **15 minutes** each attack, **six** muscular testers use heavy-duty tools. Tests were performed for both door sides, outswing and inswing opening.

Upgrade to bullet-proof FB4 and FB6 is available.



Bulletproof Doors

JSC Munitus and together with our US partner Shield Security Doors LTD, successfully performed ballistic resistance tests in the prestigious US test laboratory **NTS-Chesapeake**.

We tested two of our bulletproof door models:

Munitus FE5 FB4

Munitus FE15 FB6

Ballistic resistance tests were performed according to **UL752** and **NIJ 0801.01** (National Institute of Justice) standards.


Together with the **European EN1522/1523** standard, they are the most common standards worldwide to specify the required level of ballistic protection.

Door model **Munitus FE5 FB4** tested for **UL level 3** and **NIJ level 3A** (that is equivalent to European **EN 1522/1523** standard level **FB4**).

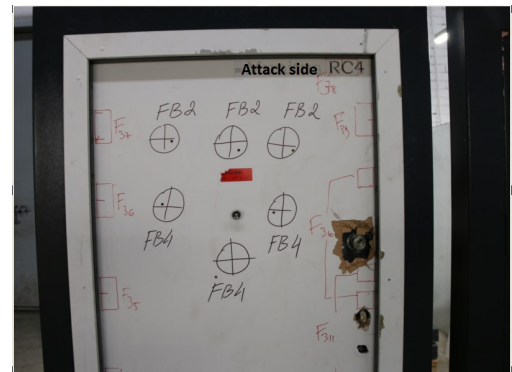
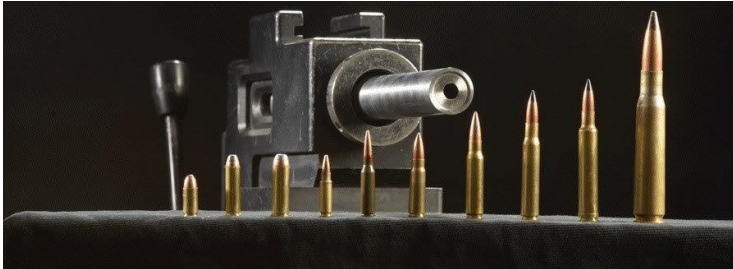
Door model **Munitus FE15 FB6** tested for **UL level 8** and **NIJ level 3** (that is equivalent to European **EN 1522/1523** standard level **FB6**).

Certified bullet-resistant glass BR4 and BR6 also is available to integrate into the doors.

Doors Bullet Resistant Standards:

EN 1522/1523	UL 752	NIJ 0801.01		
Bulletproof level	Bulletproof level	Bulletproof level	Weapon type	Calibre, Cartridge type
FB4	UL level 3	NIJ level IIIA	44 Magnum 	240-grain Full Copper Jacket Flat Nose Softcore 
FB6	UL level 8	NIJ level III	Rifle 5,56 x 45; 7.62 x 51 NATO 	62-grain type SS109 (steel penetrator) 147-grain Full Steel Jacket (M80) 

MUNITUS Tested By:



Security and Bulletproof Windows

We design and manufacture security and bullet-resistant custom-made windows along with our bullet-resistant doors.

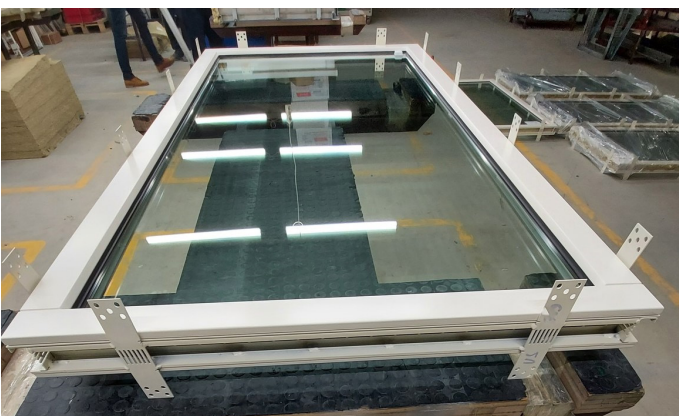
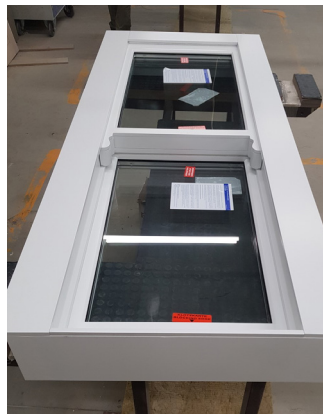
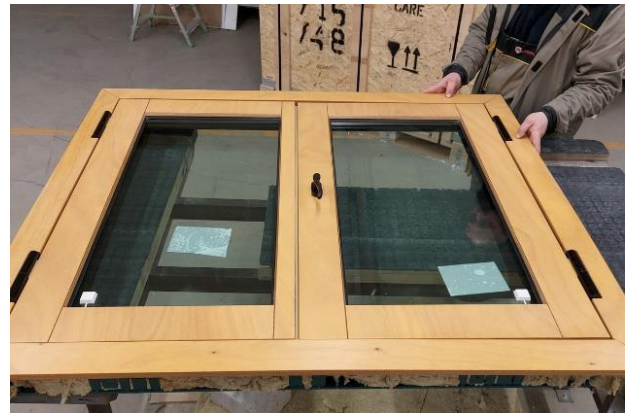
We construct bulletproof windows like security doors – a robust metal structure from the outside we cover with wood or other types of boards to have an aesthetic appearance. We cover the bullet-resistant window's metal structure inside with certified ballistic steel according to the security level.

We use only certified glass according to the required security level for our security and bullet-resistant windows: security glass **P6B** and **P8B** for our **RC3** and **RC4** security windows, and bulletproof glass **BR4** and **BR6** for **FB4** and **FB6** bulletproof windows.

Installation of the glass into the robust metal structure of the window (also into the doors) is one of the essential processes. Our engineers designed a unique reinforced construction that fixed antivandal, or bullet-resistant glass, would withstand not only shots from guns or rifles but also robbers' attacks with heavy-duty hammers or even ram-raid assaults with gangs on mopeds, as it is very popular nowadays for smash-and-grab attacks.

Glass Bullet Resistant Standards:

EN 1063	UL 752	NIJ 0801.01		
Bulletproof level	Bulletproof level	Bulletproof level	Weapon type	Calibre, Cartridge type
BR4	UL level 3	NIJ level IIIA	44 Magnum 	240-grain Full Copper Jacket Flat Nose Softcore 
BR6	UL level 8	NIJ level III	Rifle 5,56 x 45; 7.62 x 51 NATO 	62-grain type SS109 (steel penetrator) 147-grain Full Steel Jacket (M80) 



Replica and bespoke doors

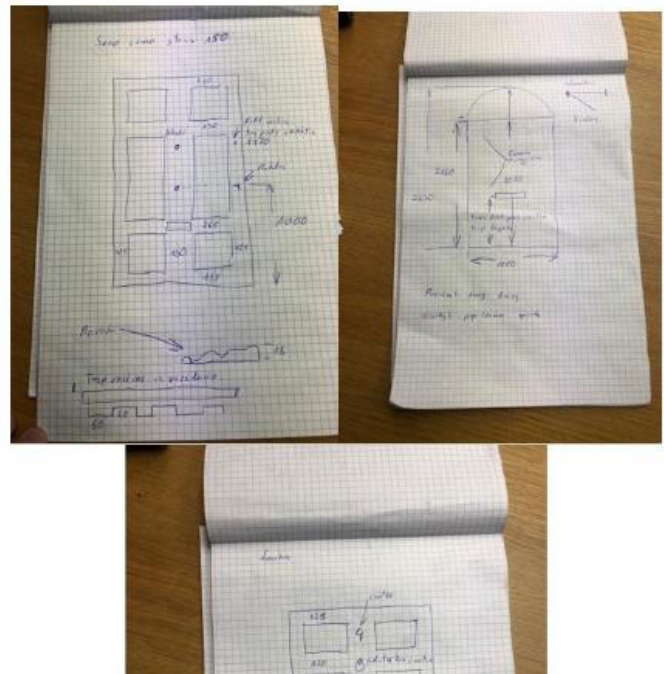
With our custom software and sophisticated production line, we can produce precise bespoke orders or replica doors.

The best replica doors can replace existing, original doors in conservation or heritage areas, and no one notices the difference. It just a new one will be with hidden security inside.

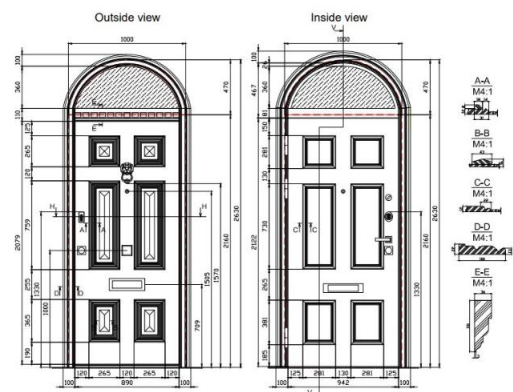
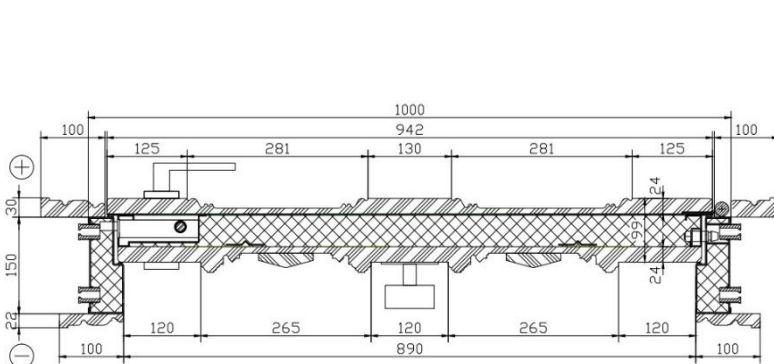
We need to get precise measurements of the door and a picture or sketch of the old door, with millings, mouldings, colours etc. Then, decide the security level of the new door, locking systems, colours, etc. We can start producing a new replica door once everything is completed and detailed drawings are confirmed.

1. Old door pictures, mouldings samples, millings, prime sketch from the client.
2. Prime sketch from the client with precise measurements.

Design:



3. New detailed drawings.



4. Start production, preparing finishing panels of the door.



5. Produced a new replica security door in Munitus production.

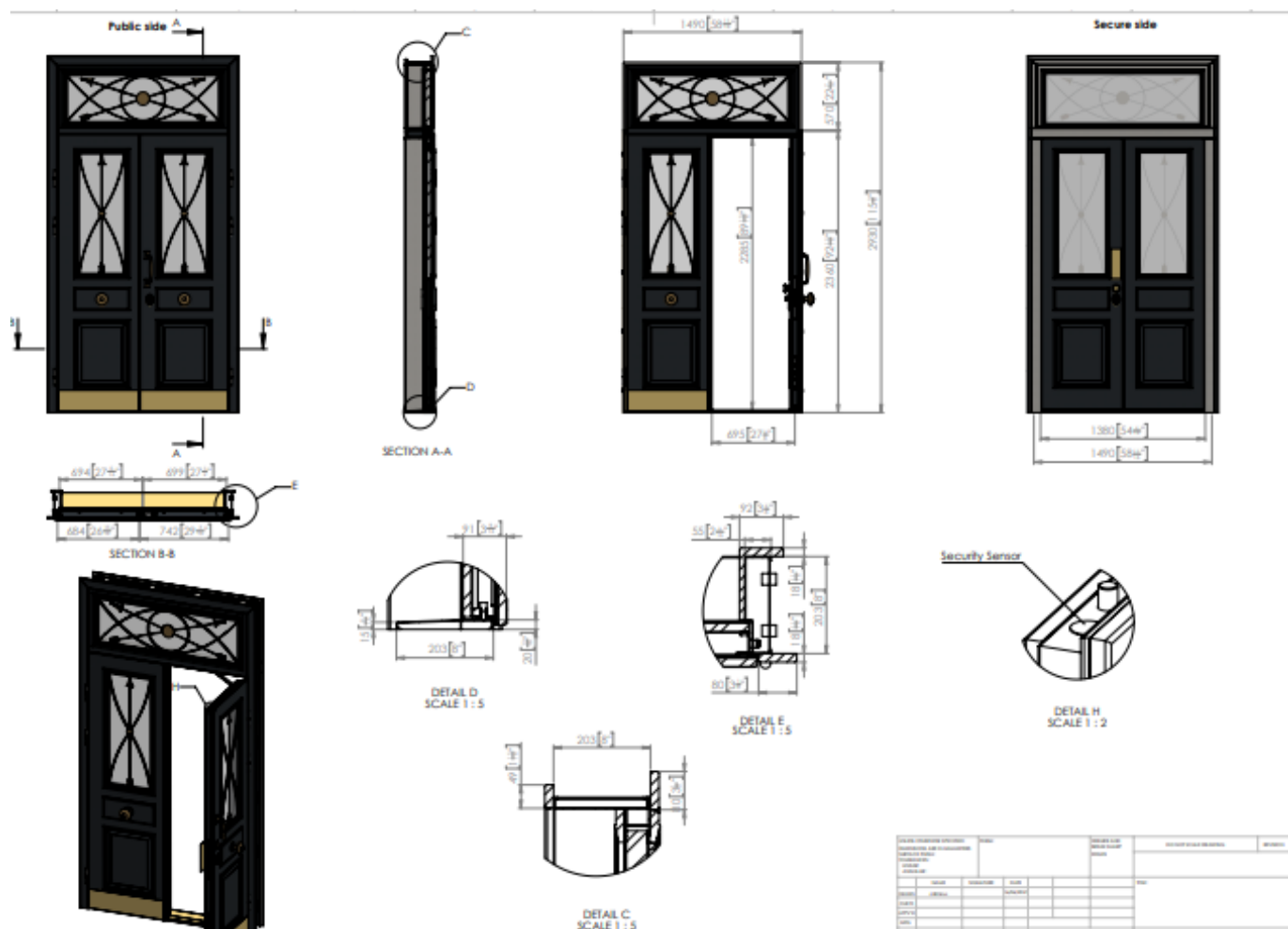
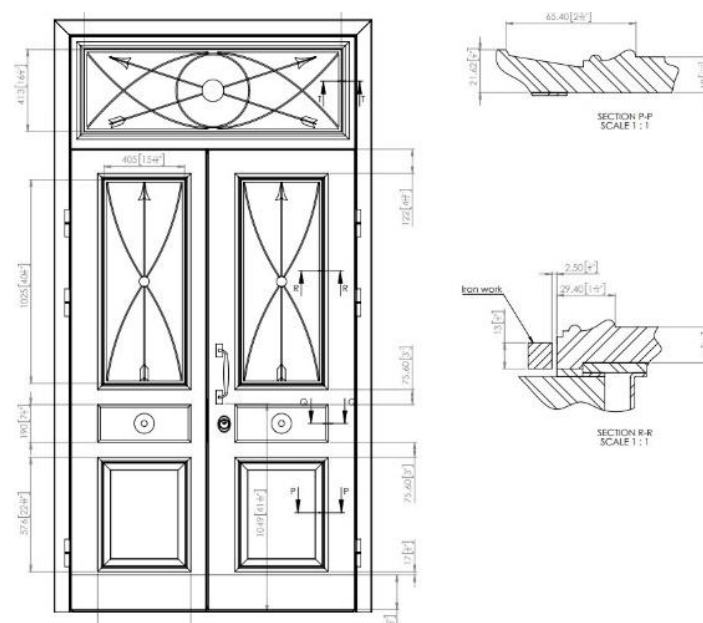


6. Installed new replica security door.



Replica and bespoke doors

As for replica doors, bespoke doors are produced according to your provided sketches or pictures of the door design, security level needed, locking systems, etc. We prepare detailed drawings for confirmation, and when they are confirmed, we produce in the highest tolerances.



Produced door in Munitus production



Old door picture



Munitus security door replica



Finishing panels:

- We use **MDF** and **Umidax** panels (Moisture-resistant engineered wood) for interior doors. It can be carved, milled, painted or laminated in **PVC films**.
- We recommend waterproof **EDM** panels (Extremely Durable MDF) for external doors. They also can be carved and milled, painted in any colour according to your needs. As standard, we use a full RAL pallet.
- **Metal finishing panels** we painted according to RAL with powder paint. For outside doors, we use electro-galvanized steel.
- For exterior doors where is needed panels with wood structure, we use engineered wood **WRB panels (Okoume)**. They can be carved, milled, painted or stained.
- **Natural wood** might be used for interior and exterior doors. It can be carved, milled and stained.
- There is an option for finishing panels for interior doors with **natural Plywood (wood veneer)**. That gives the same look as solid wood. It can be carved (shallow carving only), milled and stained.
- **Aluminium panels**. They can be milled and painted according to the RAL colour pallet.

Please contact our sales managers for other available paint colours, powder paint colours, PVC colours, WRB, natural wood and plywood available paint and stain colours.

Painted Umidax or EDM 20% gloss and painted 100% gloss



WRB (Ocume) painted



Finishing panels

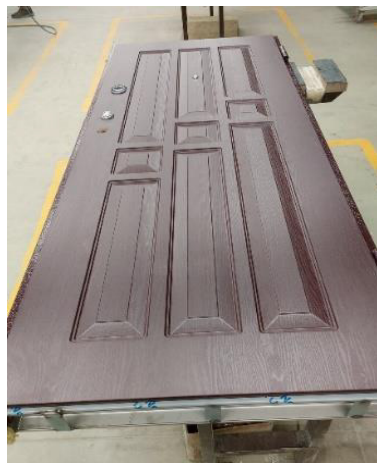
WRB (Ocume) Stained



Solid wood stained



Laminated MDF with PVC without structure and with wood structure



Natural Plywood veneer

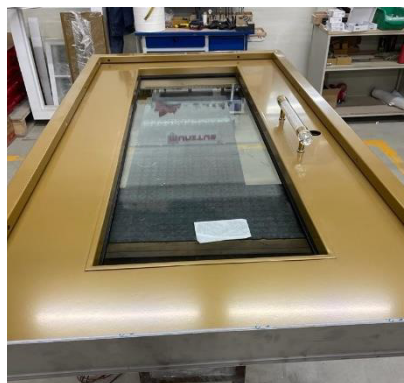


Metal and aluminium panels:

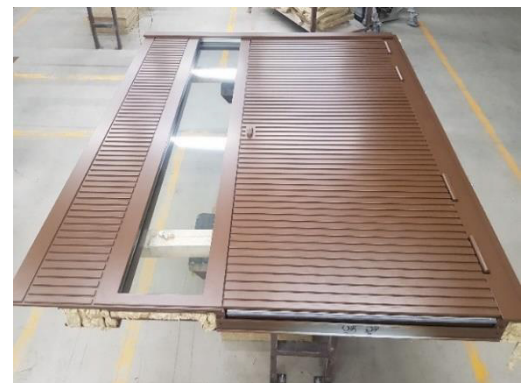
Powder painted with a structure



Gloss powder painting

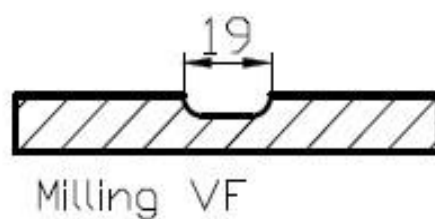
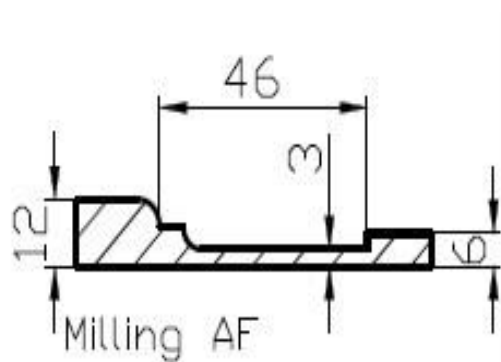
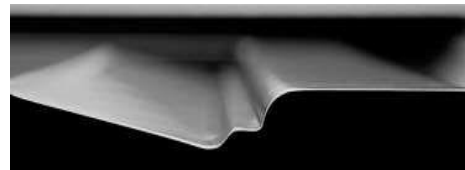
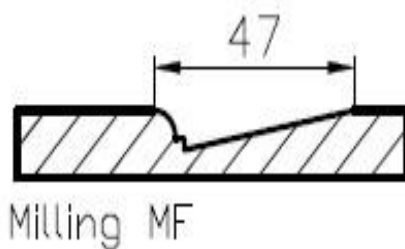
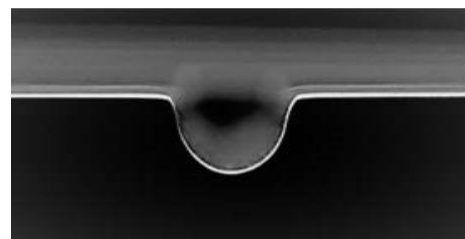
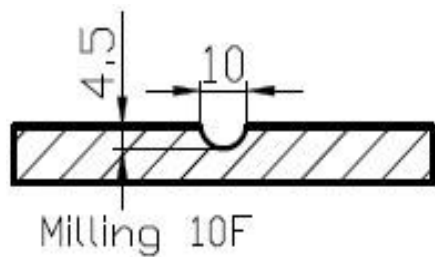
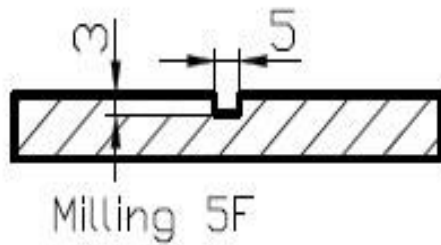


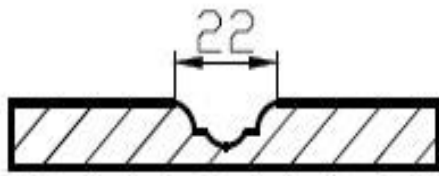
Aluminium Gloss powder painting



Finishing panels milling types

- Please choose one of our standard milling types for the skin of your door.
- For custom-made millings, send the sample to our sales managers, and we will prepare the drawing and calculate the price of the exact custom milling type.

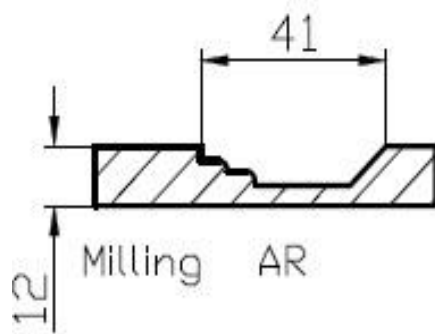
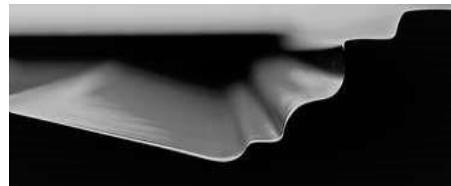




Milling DF



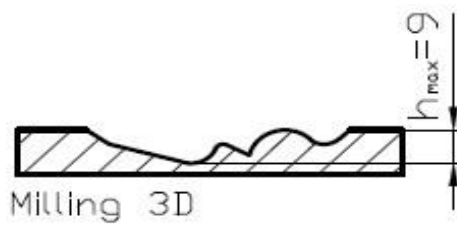
Milling MF+BAGUETTES



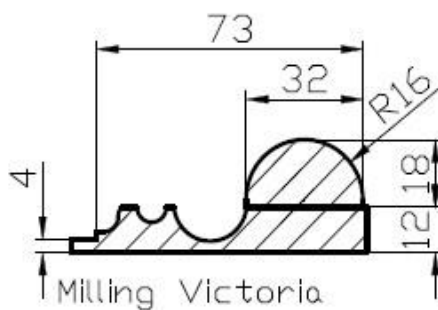
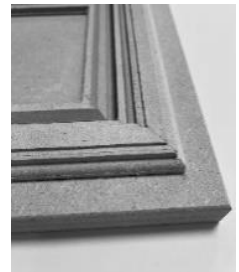
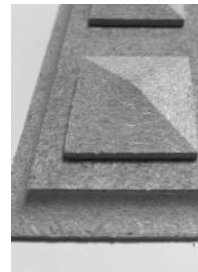
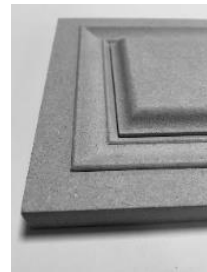
Milling AR



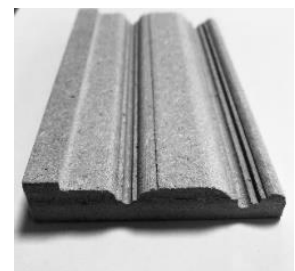
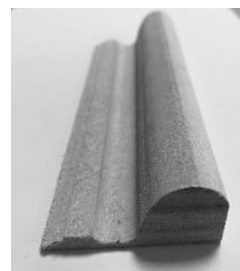
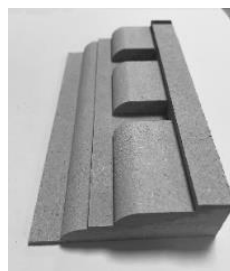
Many more 3D and custom-made milling possibilities.



Milling 3D

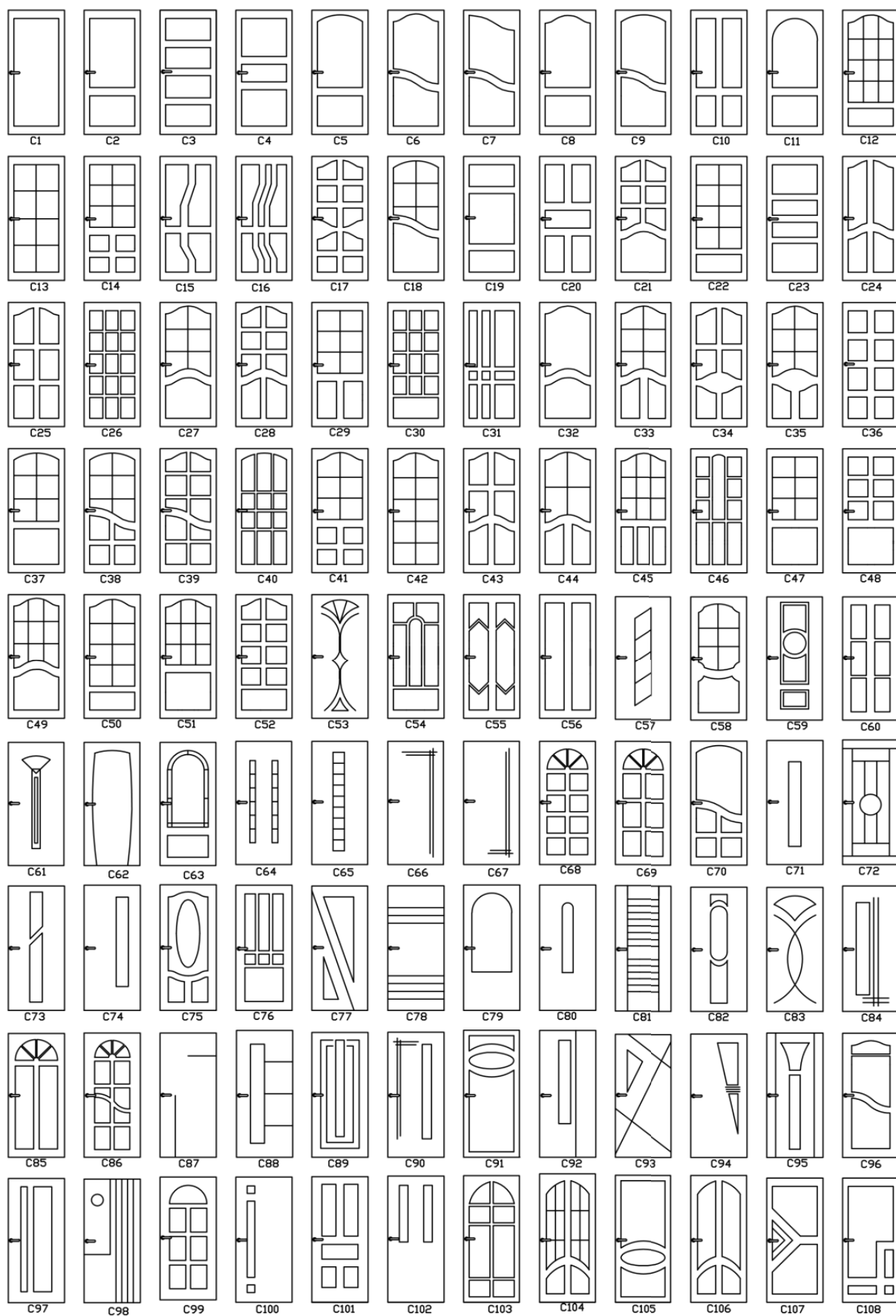


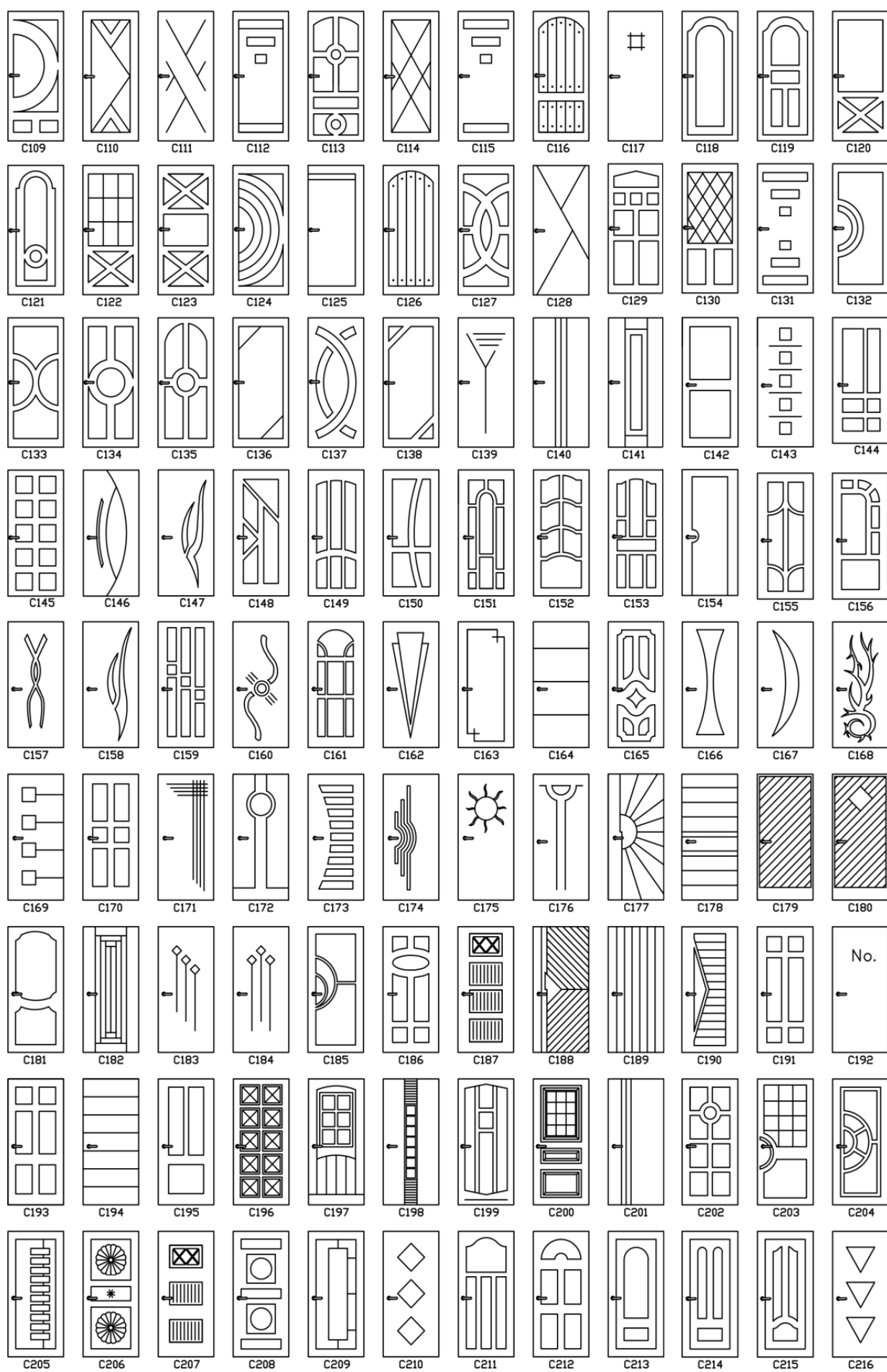
Milling Victoria



Standard Carvings

For custom-made carvings, please get in touch with our sales managers.



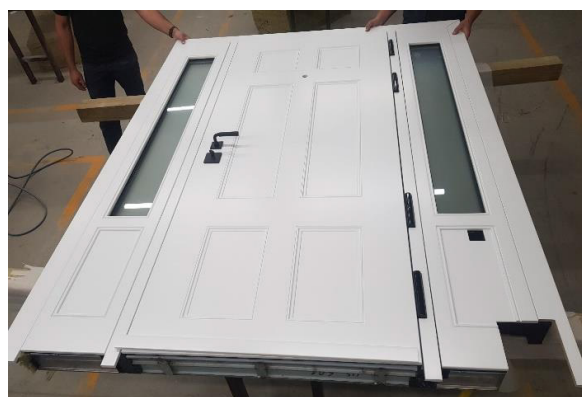
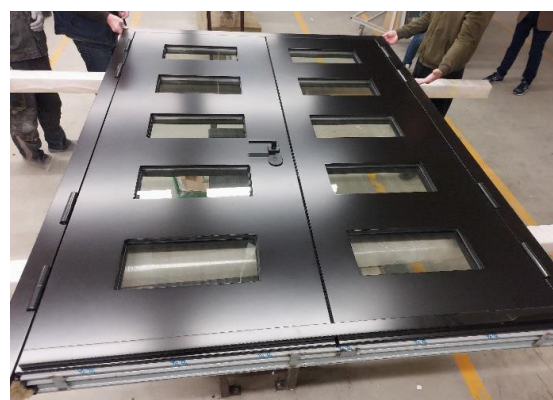
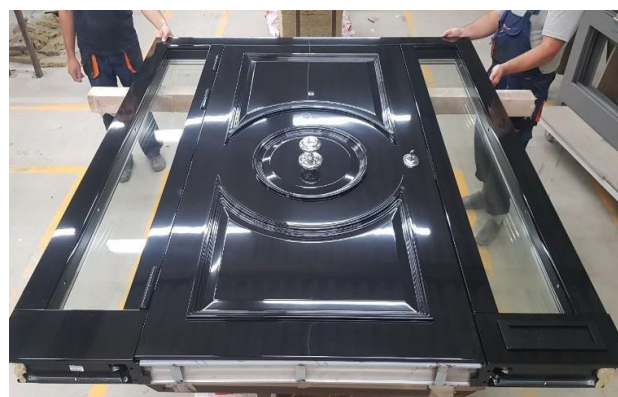


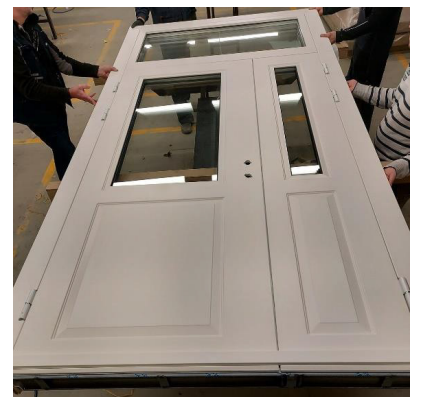
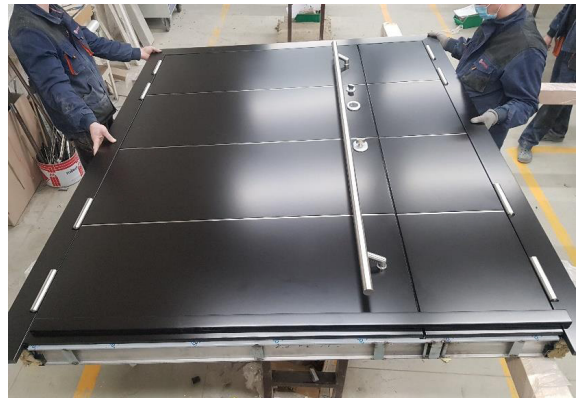
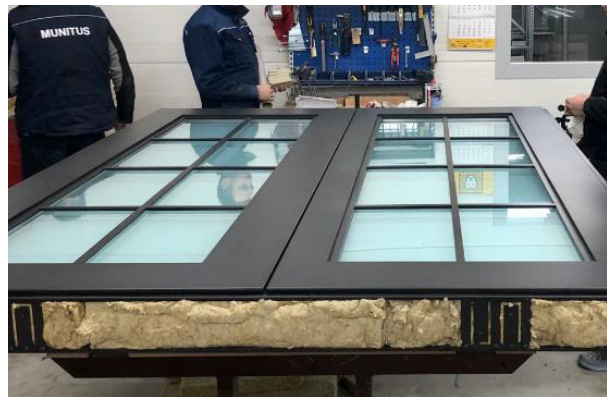
Gallery of Security Doors in Munitus production:

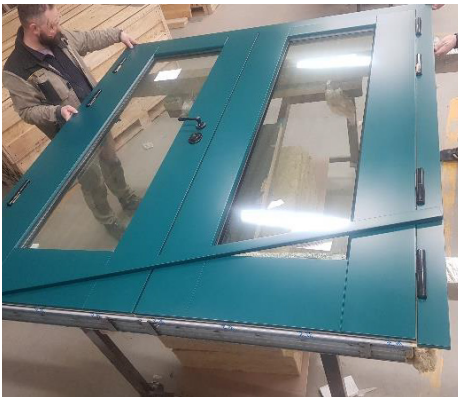
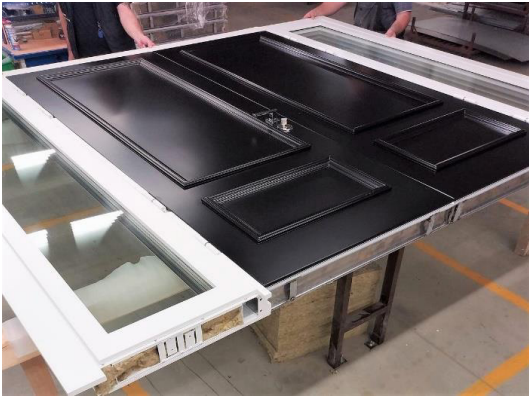




Nonstandard security doors in Munitus production:



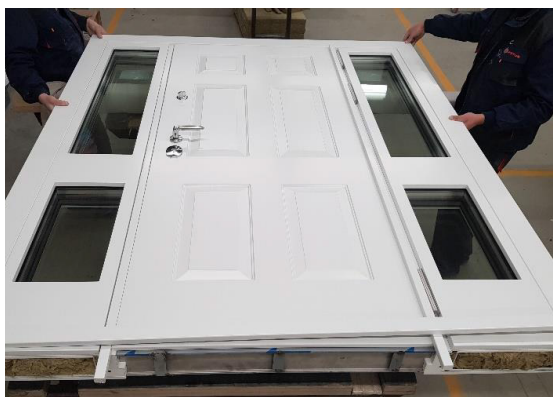
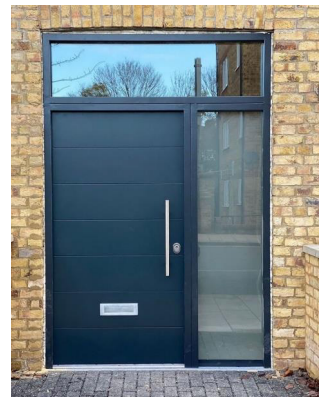
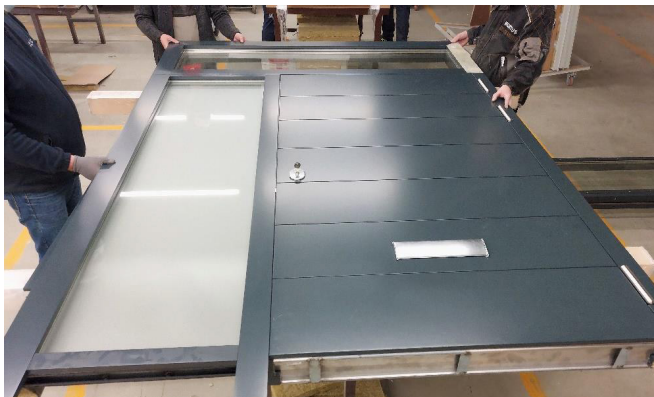




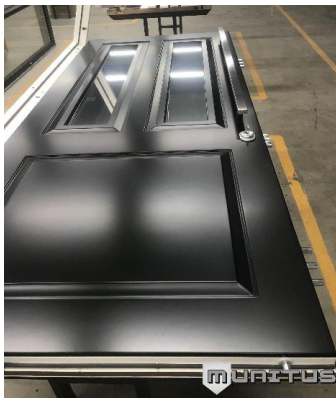
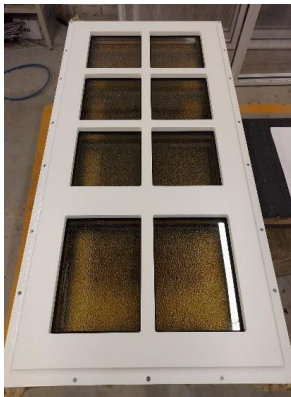
Security Doors in Munitus production and installed by our clients



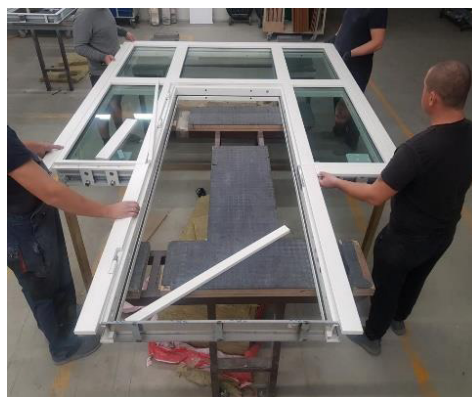
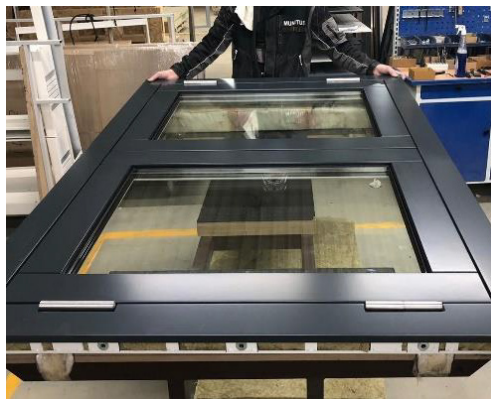
Security Doors in Munitus production and installed by our clients



Security Doors in Munitus production and installed by our clients



Security Doors in Munitus production and installed by our clients

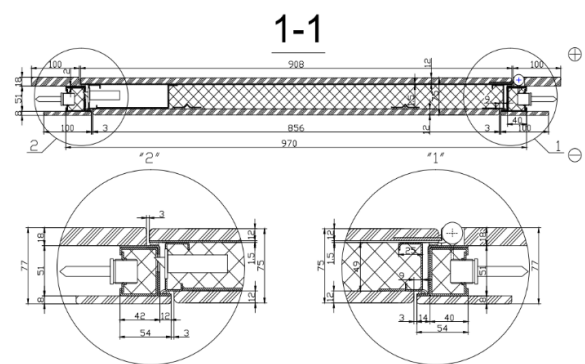


Other products:

Extra heated door construction. The metal door edge and the frame are fully covered with the same wood-type material as the finishing panels. That makes better heat insulation and still has a high-security level.



Flat door construction from both sides the door leaf is on the same flat level with architraves. Also, it is available with hidden hinges.



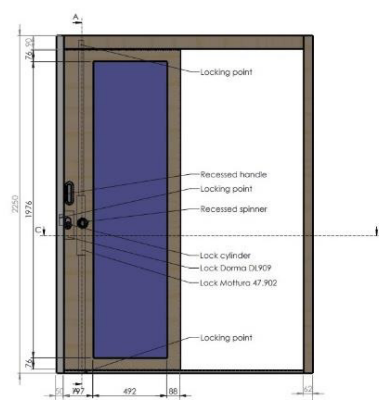
Panic rooms

A safe room or panic room is a reinforced room installed in a private residence or business to provide a safe shelter or hiding place for the inhabitants in case of a break-in, home invasion, terror attack, or other threat.

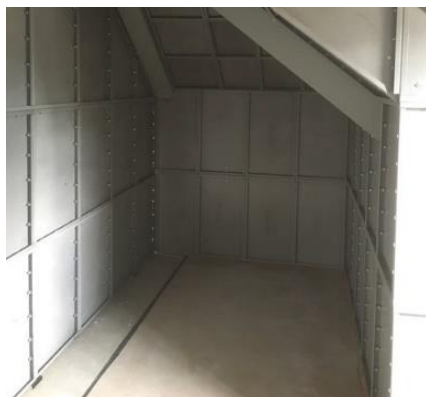
Putting a security swing or sliding door into a bedroom or throughout an entire property is becoming increasingly popular due to the rise in burglaries when occupiers are inside your home, and you need to find an immediately safe place to hide and to call for help. As such, here at Munitus, we can match any existing internal door design and using our security wall solution to make an actual panic room.



Sliding security doors for panic rooms



Special panels to reinforce your panic room's walls



Security glazing shopfronts and security doors for shops (RC3 and RC4, FB4; FB6)



Price calculation soft

For our dealers, we provide price calculation software that helps estimate door prices, especially for non-standard doors, so as not to get lost among the wide possibilities that provide Munitus.

Menu < **MUNITUS**

Administration

Users

Individual prices

Markup

Prices

Settings

Specifications

Create new

My specifications

My drafts

Model

Model — Type — Dimensions — Color — Hinges — Finishing — Architraves — Thresholds — Locks

Door

Gerlock CLASSIC 1 EUR

Gerlock MAX 1 EUR

Munitus FE5 1 EUR

Munitus FE15 1 EUR

Exploitation conditions

Interior

Exterior (RUUKKI)

MUNITUS

Type

Model — Type — Dimensions — Color — Hinges — Finishing — Architraves — Thresholds

1

2

3

7

8

9

Total dimensions

Width 1500

Height 2220

Door dimensions

Width 1000

Height 2220

Fixed side

Fixed side panel 250

External

Main door

Finishing EDM (Extreme Durable MDF) EUR

Color Honey yellow RAL 1005

Carving C3

Milling MF with baguettes

Fixed side panel

Finishing Umidax HLS board laminated PVC EUR

Color Country Oak F 5048T (GER3) EUR

Carving C3

Milling DF 1 EUR

Fixed side panel

Finishing MDF laminated with PVC EUR

Color ANTRACYT (Grey) RB 6811-C EUR

Carving C1

Milling VF 1 EUR

EDM (Extreme Durable MDF) (Carving C3)

1 Bulletproof/anti-vandal Up to 0.5 sq.m P6B EUR Mat (frosted glass) EUR

2 Normal Rectangular up to 0.5 m2 TRIPLEX EUR Mat (frosted glass) EUR

3 Bulletproof/anti-vandal Up to 0.5 sq.m BR4 EUR Mat (frosted glass) EUR

+ ADD GLASS

Cylinders

Manufacturer	Name
	None
	Customer option
CHAM/1000-110	pin three cylinders (3 keys) keyhole
CHAM/1000-110	pin three cylinders (3 keys) keyhole
CHAM/1000-110	pin three cylinders (3 keys) keyhole
CHAM/1000-110	pin three cylinders (3 keys) keyhole

Munitus <http://207.154.218.99/>

Price

Model — Type — Dimensions — Color — Hinges — Finishing — Architraves

Specification

Height of frame: 2220mm, width of frame: 1500mm

Inwards right hinged door

Two fixed side panels (No. 4)

Door	
Gerlock CLASSIC with two fixed side panels (No. 4)	
None	0 EUR
Main door 1000 x 2220 MM	15 EUR
Fixed side panel 250 x 2220 MM	18 EUR
Fixed side panel 250 x 2220 MM	18 EUR
Interior exploitation	0 EUR
Material construction color Prepared for painting	0 EUR
Hinges	
Main door 2 hinges	0 EUR
Finishing exterior	
Main door EDM (Extreme Durable MDF) finishing	1
Umidax HLS board laminated PVC	1
C3	1
MF with baguettes	1
Fixed side panel Umidax HLS board laminated PVC finishing	1
Country Oak F 5048T (GER3)	1
C3	1
Fixed side panel MDF laminated with PVC finishing	1
ANTRACYT (Grey) RB 6811-C	1
C1	1
VF	1
Finishing interior	
Main door MDF laminated with PVC finishing	1
ANTRACYT (Grey) RB 6811-C	1
Fixed side panel MDF laminated with PVC finishing	1
ANTRACYT (Grey) RB 6811-C	1
Fixed side panel MDF laminated with PVC finishing	1
ANTRACYT (Grey) RB 6811-C	1
Locks	
ASSA 2005, cylinder 1312 (key-hole), 3 keys, chrome	1

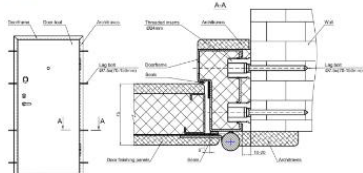
We offer different types of demo doors for our distributors, from small ones to standard dimensions, with varying sets of doors.



For our distributors, we provide a door installation manual which helps easily install our doors.

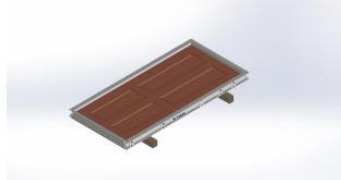
- Unpack the door and inspect if there are no damages that occurred during the transportation. Immediately take pictures and report if any damages occurred.
- Verify that the rough opening is the correct size. It should be 2-4 cm wider and taller than the frame.
- Separate the door leaf from the frame.
- For doors without a threshold, remove the spacer bar at the bottom of the frame using a screwdriver.

Installation:

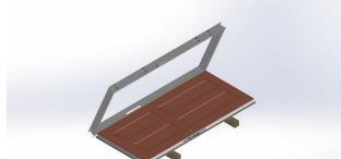


1. A door frame is installed with a minimum of 8 and up to 16 or more lag bolts (depends on the door size); each is 7.5 mm in diameter and 70 - 150 mm in length (depends on wall strength); at least 4 lag bolts for each side.
2. For easy installation, the gap between the frame and the wall should be 10-20 mm on all sides.
3. When the frame is placed in the opening, the 24 mm threaded inserts are extended out until they touch the wall. If the gap between the frame and the wall is greater than 10-20 mm

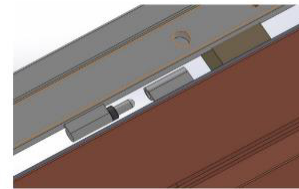
1. Put the door and the frame on the ground with hinges down. Place 2-3 layers of soft bars to raise the frame off the ground and prevent damage to the hinge side handle. Make sure the door is completely unlocked and press down on the lever handle to retract the spring latch.



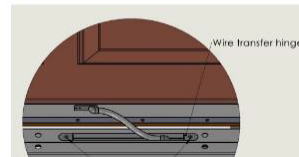
2. With the lever handle depressed, lift the frame from the lock side until it is at a 90-degree angle.



3. Push on the frame from the header so that the hinge begins to separate. Once the hinge pins are completely clear of the door, remove the frame and position it for installation.



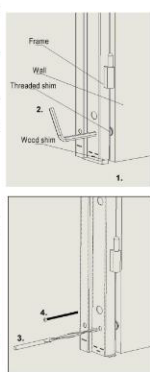
4. **Note:** If the door has an electronic lock, you must disconnect the transfer hinge before removing the door from the frame. Remove the screws shown below from the frame side of the transfer hinge and pull the cables through the frame until they are clear of the frame.



Single Door Installation

1. Recommended to put wood shims (12 - 18 mm) under the frame or threshold to rise a bit the frame and to have easier adjusting the height. (Also, at the end of the installation can be screwed bottom architrave to them.)
2. Use a 12 mm hexagon key to tighten the top and bottom threaded shims by turning clockwise until they touch the wall. Do not tighten the threaded shim as it will deform the frame.
3. Make sure the frame is plumb and true on the hinge side. Once the hinge side steel threaded inserts are extended to touch the wall (brick wall), drill the holes through them using (13mm) drill bit and then screw the lag bolts.
4. Secure the frame only on the hinge side with lag bolts. After screwing each lag bolt double check if this side of the frame is still true and plumb. Make adjustments if needed.

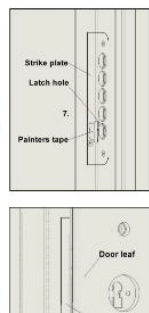
Notice: that all threaded shims should be touching the wall after lag bolts in. The frame should be true and plumb on the hinge side. Recheck and adjust if needed.



Address: info@munstue.com
Website: www.munstue.com

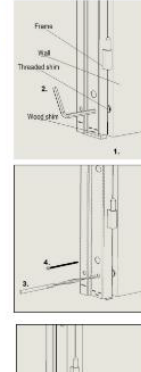
ZNA - 00000000
Zavla ul. 4
17-02000 Vikiša
Ljubljana, EU

5. Place a piece of paper's type by the bottom hole on the strike plate. Mark the top and bottom of the hole on the tape using a pen or pencil to have as a reference. This is necessary for bolt alignment. If the base is not even or the door frame needs to be slightly elevated put additional shims of needed thickness under the present threshold shims. Also might use adjustable hinges to lift the door leaf for a proper height (see in troubleshooting).
6. Close the door without latching (as shown in the image) to check the vertical position of the latch on the markings made on the painter's tape. The latch should be in the middle of the hole. If it is too low or too high, adjust the frame using wood or plastic shims until the latch is centered. Secure one lag bolt at the top of the frame. Slowly close the door to ensure that the door latches easily and check



Double Door Installation

1. Recommended to put wood shims (12 - 18 mm) under the frame or threshold to rise a bit the frame and to have easier adjusting the height. (Also, at the end of the installation can be screwed bottom architrave to them.)
2. Use a 12 mm hexagon key to tighten the top and bottom threaded pins or turning clockwise until they touch the wall. Do not tighten the threaded shim as it will deform the frame.
3. Make sure the frame is plumb and true on the hinge side. Once the hinge side steel threaded inserts are extended to touch the wall, for masonry openings drill the holes through them using (13mm) drill bit and then screw the lag bolts.
4. Secure the frame with lag bolts through the predrilled hole. Then repeat steps 3 and 4 for the rest of the holes on this side starting from the top of the frame. After screwing each lag bolt double check if this side of the frame is still true and plumb. Make adjustments if needed.
5. Repeat the 3 and 4 on the other side of the frame. Remove or replace the shim with a different size one if needed to make the frame true.
6. All threaded shims should be touching the wall after screwing lag bolts in. The frame should be true and plumb. Recheck and adjust if needed.

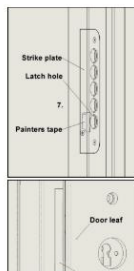


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Troubleshooting

Checking Alignments

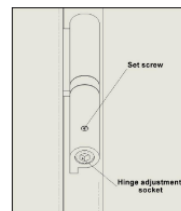
Like in the installation step place a piece of paper's type by the bottom hole on the strike plate. Mark the top and bottom of the hole on the tape using a pen or pencil to have as a reference. This is necessary for bolt alignment.



Close the door without latching (as shown in the image) to check the vertical position of the latch on the markings made on the painter's tape. If the latch is not in the middle of the markings, then an adjustment is necessary. Visually inspect the gap between the door and the frame. If the edge of the door and the frame are perfectly parallel, a hinge

Adjusting Hinges

To adjust the hinges, loosen the set screw using a 3 mm Allen key by turning counter-clockwise. Then, using a 6 mm Allen key on the hinge adjustment socket, turn counter-clockwise to raise the door. Be sure to raise all hinges evenly. When finished, tighten the screws.

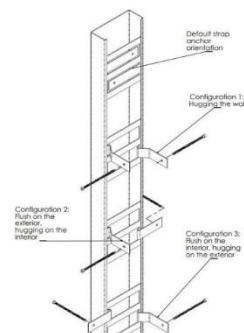


Adjusting Frame

1. Remove the plastic caps from the holes indicated at the left.
2. Loosen the lag bolts in three locations.
3. Use the 12 mm Allen wrench by



Strap Anchor Installation Options



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16

Packing and shipping

There are a few possibilities for packing. That depends on what kind of the doors are, are they fragile (with the glasses, painted finishing panels and etc..) Also, where and with what kind of transport they are shipping is essential.

1. The simplest one is packing every door in the PVC film and loading it on the special pallet.

In such a way, might be packed up to 10 doors (if the doors are the same dimensions and not too big.)



The packed pallet is covered with corrugated cardboard for additional safety, and corners are covered with protective angles.



2. Another possibility is each door packed into the corrugated cardboard and loaded on the special pallet.



Special reinforced pallets are produced according to the measurements of the door.



3. The third option, each door in wooden boxes and load on the special pallet.

- Recommended for fragile doors (with glasses) and for local (Europe) deliveries.



4. For long-distance shipping, ocean and air cargo, we offer special reinforced wooden boxes with steel angles from engineered wood, which suites shipping to the US and other markets where we cannot ship raw wood materials.



Special packing for glasses and windows for the ocean and air cargo shipments. The special pallets are also produced from engineered wood and reinforced with steel lines.



UAB Munitus.
Zariju str. 4, LT 02300, Vilnius, Lithuania, EU.
www.munitussecurty.com www.gerlock.lt

