

www.skydas.com



SECURE & BEAUTIFUL





WHO WE ARE?

We are the manufacturer of bespoke security doors and windows. Since 1999 we produced more than 100 000 beautiful security doors for residential and commercial premises all around the world. Some of them were simple and affordable, some were pieces of art and all of them were custom made to provide the feeling of security for generations.

We are flexible in creating products that meet specific demands of different markets. Our clients from USA, UK, Scandinavia etc. all get the doors with the designs and accessories that are common in their country. This also means that our doors went through a lot of tests in several countries: USA, Germany, Sweden, Poland, Estonia and Lithuania. This leaves no doubts about the quality of SKYDAS door!

See our catalogue and contact us if you are interested in joining network of our partners or getting more information.



APARTMENT DOORS

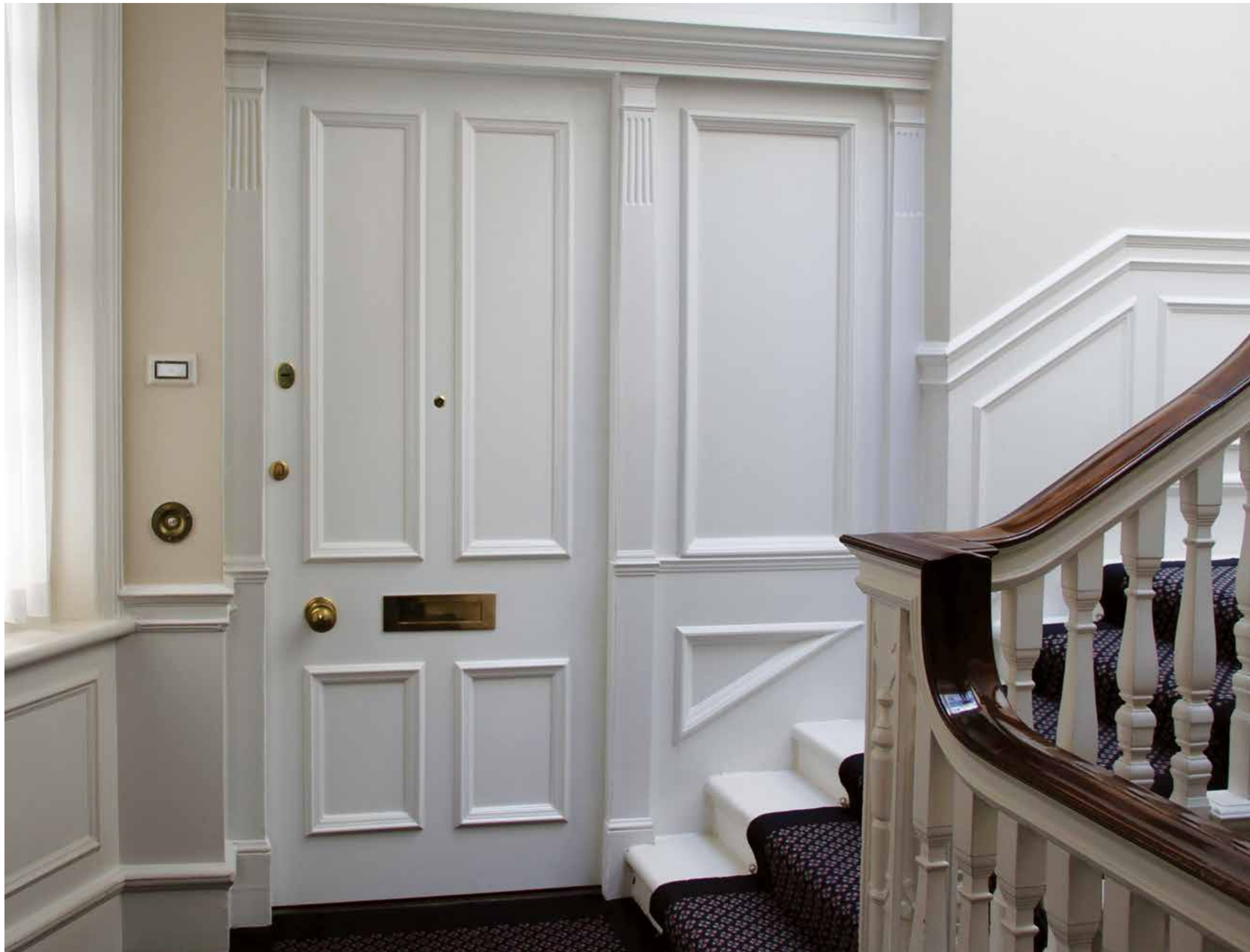


Decoration panels for apartment doors are usually made of a **PVC film laminated MDF panel**. Advanced technology allows us to produce a durable finish of high quality. **A wide range of colours, shades and designs is available**. Apartment doors can also be finished in all kinds of natural veneer and also painted.



APARTMENT DOORS

Thoughtful, sophisticated styling and attention to detail ensures a seamless match for the internal architecture of apartment houses.



ENTRANCE DOORS



SKYDAS security door in Netherlands at the embassy of one of ES countries.



We introduce new finishing material for **painted** entrance doors – sustainably sourced EDM board (Extreme Durable MDF). It gives the freedom of design and is also water resistant, dimensionally stable and withstands severe atmospheric changes therefore is ideal for the finishing of entrance doors. It is given the warranty up to 50 years!



ENTRANCE DOORS



For those who prefer wood-looking entrance door we offer – Water Resistant Board (WRB) made of natural hardwood veneers (okoume). This type of plywood is designed to withstand the most severe outside conditions. Its wood texture gives the luxury look to your door and does not limit your design ideas.



DOORS WITH NATURAL FINISH

Natural oak, ash, pine-tree can also be used for the finish of high security, bulletproof doors.



Natural oak finishing and biometric lock control E-key (Austria).



BESPOKE DOORS

Doors define the character of a building. SKYDAS doors are suitable for all residential, commercial and retail environments, providing the ultimate security solution whilst retaining the character and charm of their surroundings.



ENTRANCE DOORS

Various colours and accessories are available to create your desired style for high security door.



GLASS DOORS



The SKYDAS door range comes in either double or triple glazing meaning that they have excellent thermal properties when installed in your home. It also provides class security for shop windows and glass cases. Bulletproof glass can be fitted as an extra security option.

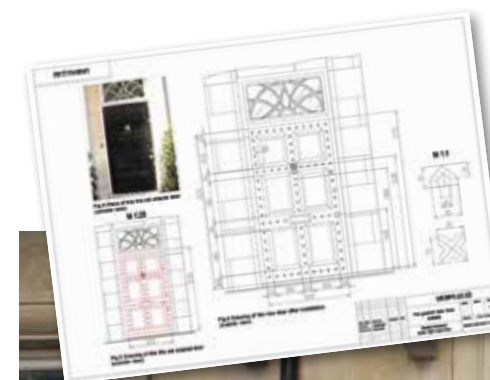


HISTORICAL REPLICA DOORS



Matching original features is essential in maintaining a building's architectural heritage.

SKYDAS has produced lots of replica doors making them high security or even bulletproof. Here you can see some of our projects in UK.



COMMERCIAL DOORS

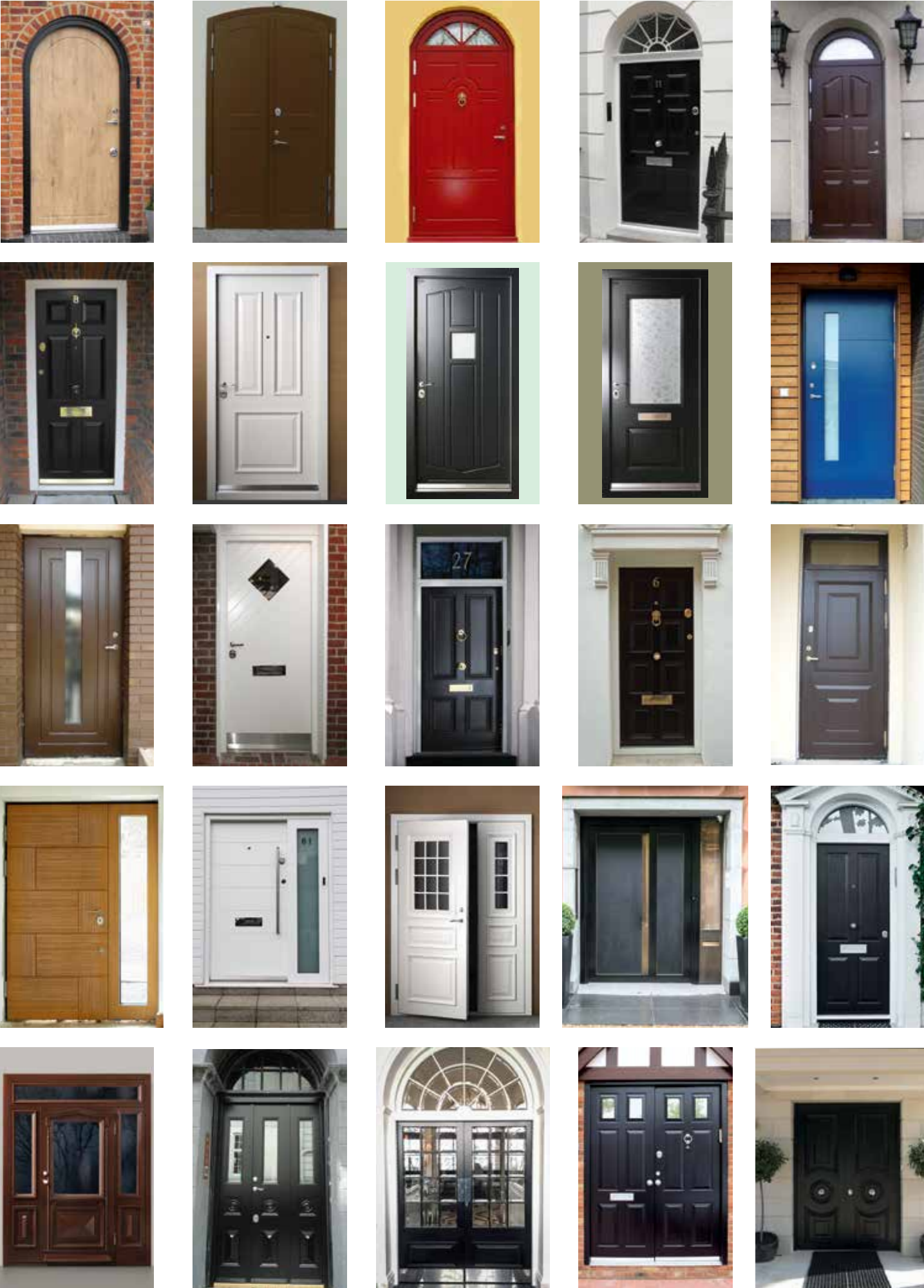
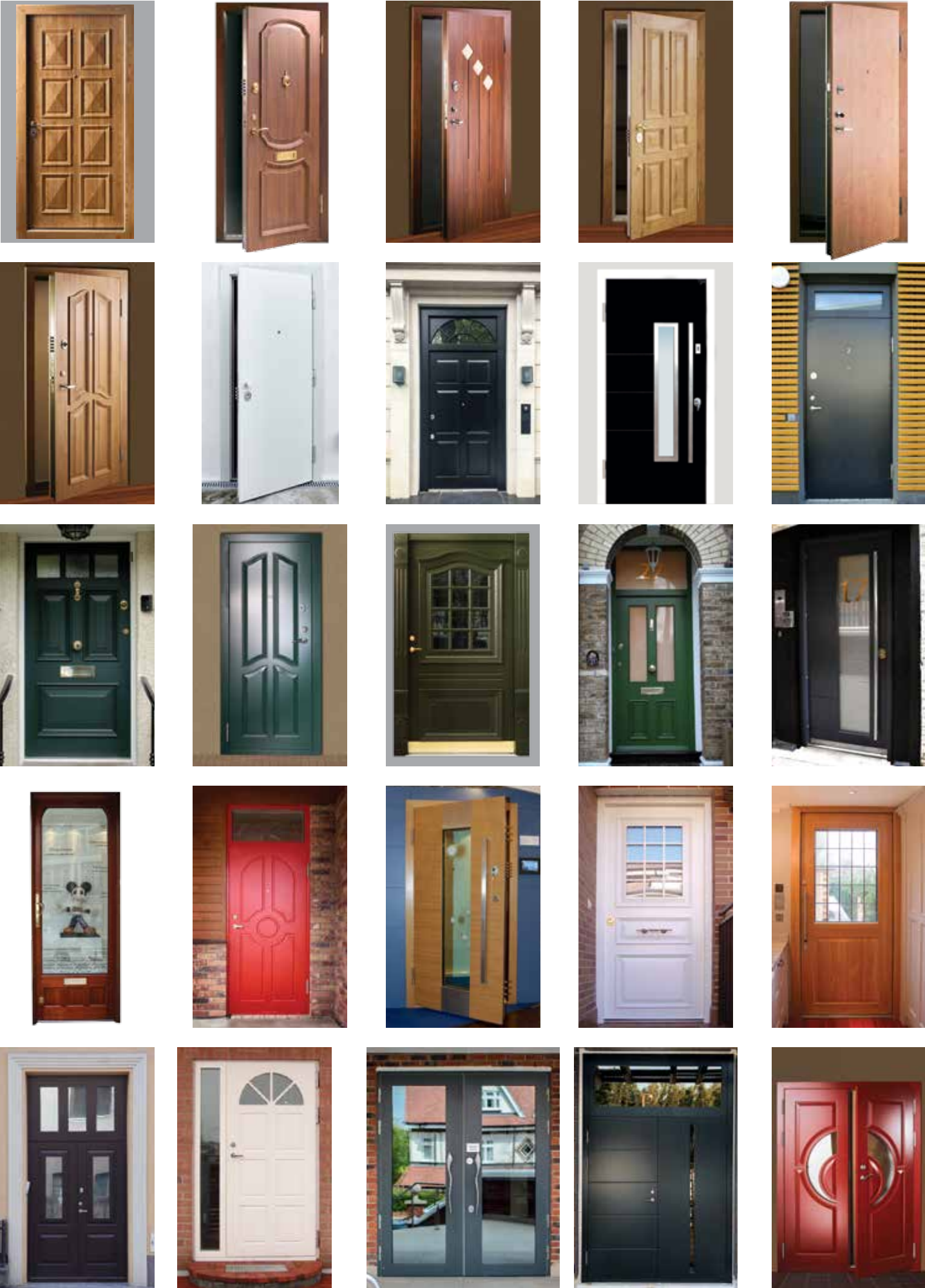
SKYDAS doors can be very well fitted to the commercial or public premises where security and access control is required. For instance, the doors can be closed and locked by pressing the button from a distance. In addition, the doors can be bullet resistant, fire and smoke-resistant.



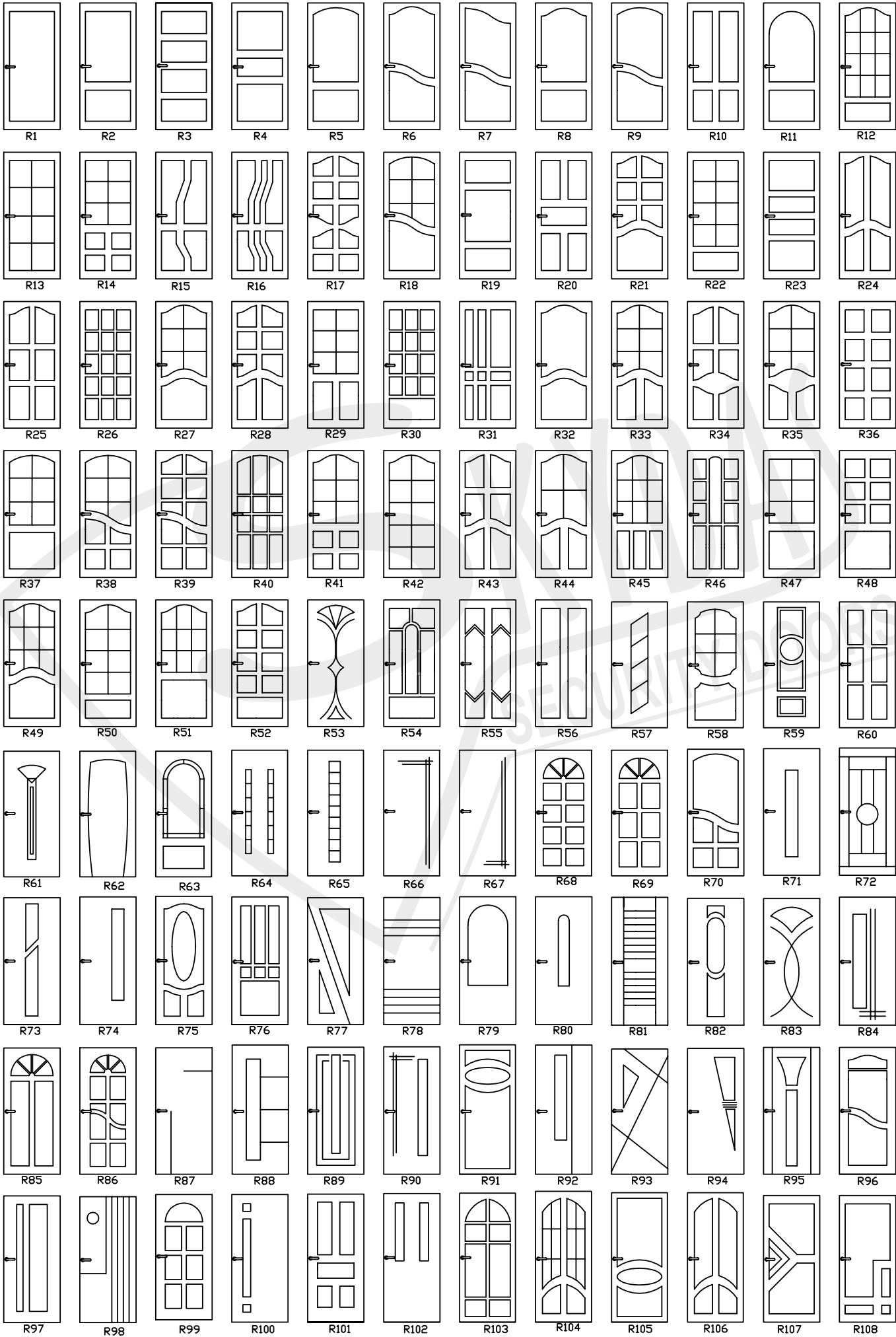
PANIC ROOMS

Panic, or safe rooms, are there to provide an ultra-safe location inside your home, where you or your family can retreat during a robbery or other threat. Think of a panic room as a vault for your most valuable asset – your family. You can have your bathroom, bedroom or home office converted into a panic room or have a bespoke room designed. Their unique construction will deter and defeat any would be intruders. Despite the unfortunate name “panic room” think of it as a place of safety, “a refuge” for you and your family in times of unwanted difficulty.

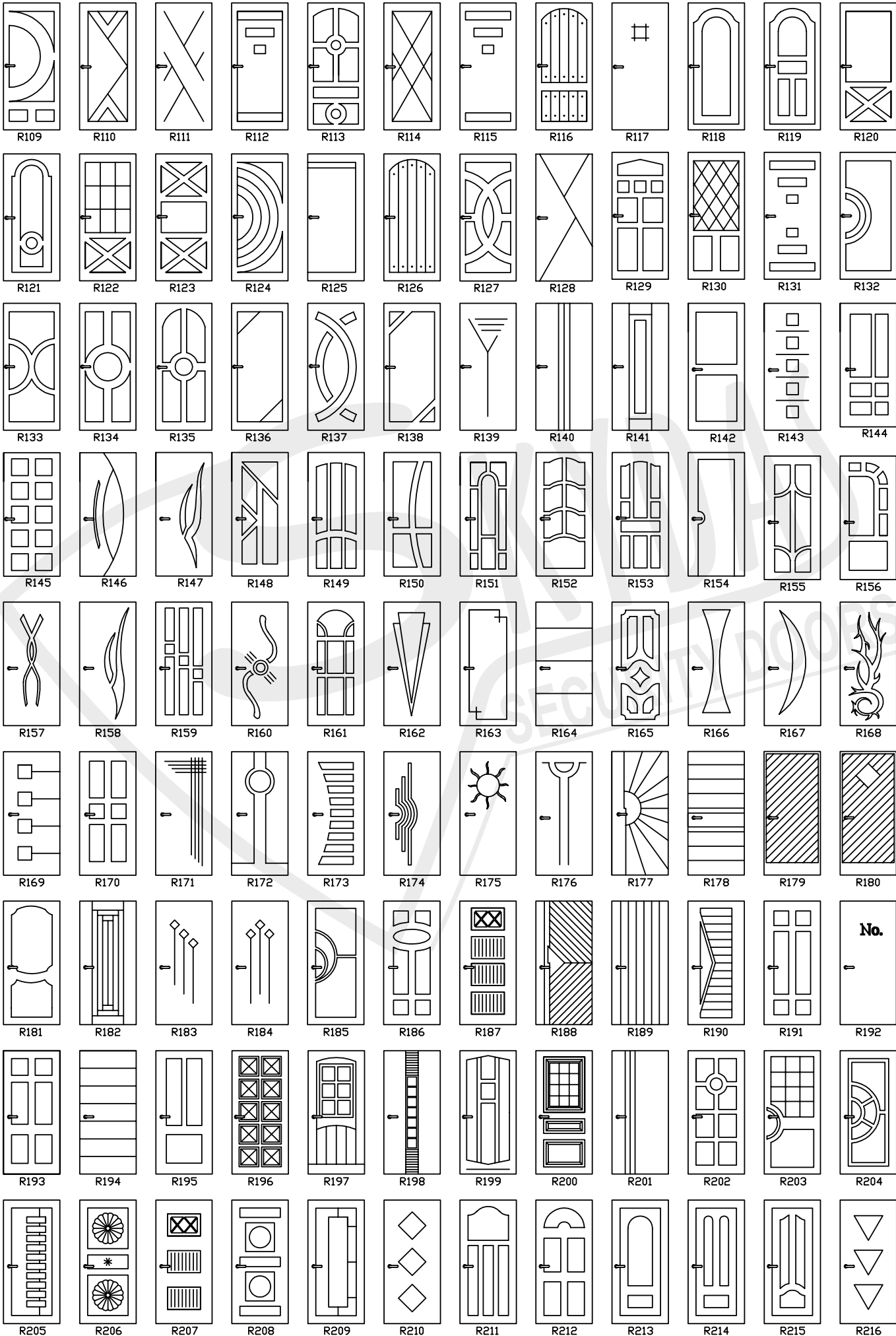




CARVINGS



CARVINGS



COLOURS OF THE METAL DOOR CASING AND DOOR-LEAF



COLOURS OF DOOR DECORATION PANELS

For exterior and interior door



COLOURS OF WRB (OKOUME) DOOR DECORATION PANELS

For exterior and interior door



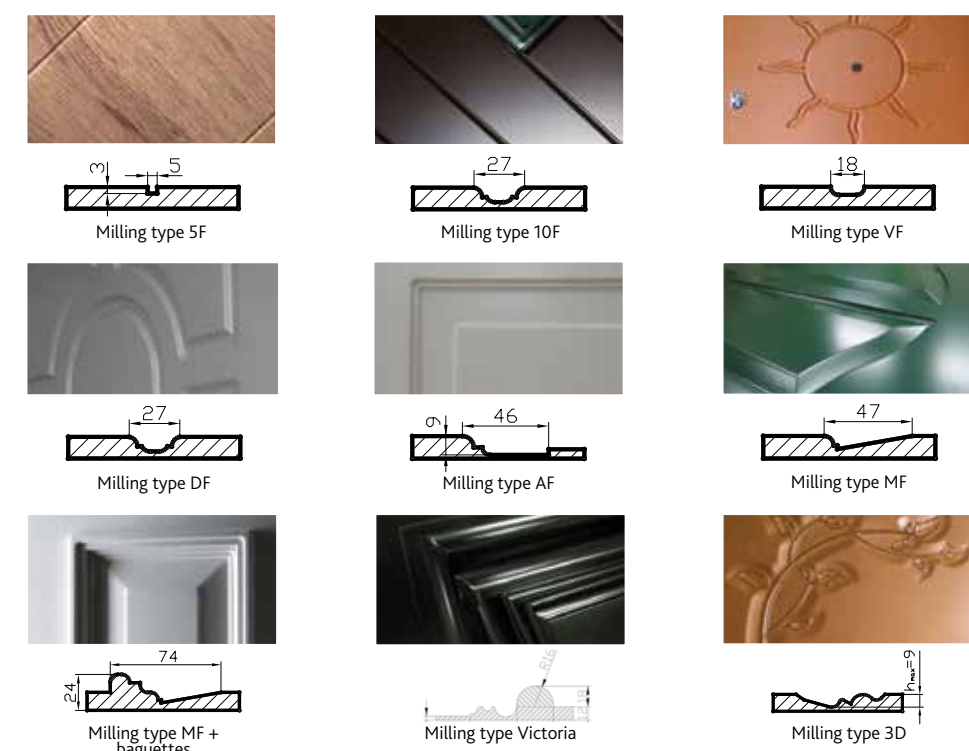
NOTE: The shades of the colours in the printed catalogue may slightly differ from the original ones in RAL, veneer or PVC catalogue. Please, refer to the original RAL, veneer or PVC catalogue.

COLOURS OF PVC FILM

For interior conditions only



DOOR MILLING TYPES



SECURITY CLASSES

The main feature of our doors is SECURITY. This is why the classification of our door modes is based on security level. Here you can learn about European and American security classes, differences in testing methods and choose the right SKYDAS door model based on your security needs.



Classes of burglar resistance according to the European Standard EN 1627:2011

Security class RC	Burglary type	Application	SKYDAS door model
1	Basic protection against burglary by the use of physical force	Premises without increased risk of burglary	-
RC2	Occasional burglar uses basic burglary tools	Increased protection for normal housing security	Skydas Standart 2
RC3	Experienced burglar uses heavy duty drilling and hammering tools	High level of security for the premises in view of increased risk of burglary	Skydas Standart 3
RC4	Experienced burglar additionally uses electric saws and power drilling tools	Extra high level of housing protection in view of high risk of burglary	Skydas Premium Plus
RC5	Experienced burglar additionally uses power cutting and heavy duty drilling tools	Extremely high protection for military and industrial premises. Minimum door weight- 300 kg	-
RC6	Experienced burglar additionally uses power cutting and heavy duty drilling tools	Extremely high protection for military bunkers, etc. Minimum door weight - 500 kg	-



U.S. Department of State Diplomatic Security Forced Entry and Ballistic Resistance of Structural Systems, SD-STD-01.01, Revision G

Security Class	Burglary type	Use	SKYDAS door model
5 min	Team of two testers in good physical condition uses heavy duty burglary tools. 3 door zones are tested, 5 min each: – center of the door-leaf, – side of locks, – hinge side. Total attack time – 15 min. Inswing and outswing doors tested.	High level of security for the premises in view of increased risk of burglary	Skydas Embassy
15 min	Team of six testers in good physical condition uses heavy duty burglary tools. 3 door zones are tested, 15 min each: – center of the door-leaf, – side of locks, – hinge side. Total attack time – 45 min. Inswing and outswing doors tested.	Extra high level of security in view of high risk of burglary	Skydas Fortress
60 min	-	-	Not tested



PRICE CALCULATION APP

We have developed SKYDAS door price calculation software that helps our partners in making estimates for their client. This web-based app will take you through price calculation process step by step and you will not get lost among all the wide possibilities that are created by SKYDAS doors.



SKYDAS FORTRESS



FOR
MAXIMUM
SECURITY

This is our best security door model. SKYDAS FORTRESS designed to protect against well prepared and experienced burglars that use heavy duty tools. The construction of this door is stronger than European security class RC4 door.

- security class **FE15** by **U.S. Department of State** Forced Entry of Structural Systems SD-STD.01.01 Rev. G. **Tested at prestigious laboratory NTS Chesapeake, USA by a team of 6 testers in good physical condition.** That is one of the main differences compared to European tests where only one man tests the door;
- 3 zones are tested during the test: center of the door leaf, lock-side and the hinges; each zone tested for 15 minutes, total time of the test – 45 min; only one burglary test left to perform;
- at least one of the locks must be not lower than 7th security class;
- the lock of 3 locking directions is additionally secured by drilling resistant plates;
- locks are installed in protection boxes;
- additional locking mechanism at the top and bottom of the door edge;
- exceptional soundproofing (**45 dB**)
- may additionally be fire resistant **90 min by UL standard (USA)**;
- made to measure;
- unlimited design possibilities, single, double, with side or upper panels; inswing or outswing;
- designed for the premises with very high risk of burglary both private and public; indoor and outdoor use (when using finishing made to withstand outdoor conditions).

Skydas Fortress FB is a bullet-proof version of the door, which was tested in Germany, Beschussantes Ulm laboratory according to the standard EN1522. Awarded level of bullet resistance is **FB4** (resistant to 9 mm handgun shots). The door can be single, double, and with a bullet-proof glass. **FB6** is available on request (tests performed, but not yet certified).



	Rating of sound insulation	45 dB Rw (C;Ctr)
	Rating of thermal transmittance	1.5 W/(m²K)
	Identification of burglar resistance	EN 1627:2011 RC4 - class 4
	Resistance to repeated opening and closing	200 000 cycles
	Identification of fire resistance (optional)	EI 45 / EI 60 / EI 120
	Bullet resistance (optional)	FB 4
	Identification of resistance to wind load	C3 class
	Measurement of air permeability	3 class
	Identification of water tightness	1A class



SKYDAS EMBASSY



Security door SKYDAS Embassy designed to protect from experienced burglar that uses heavy duty burglary tools.

- security class **FE5** by U.S. Department of State Forced Entry of Structural Systems SD-STD.01.01 Rev. G. **Tested at prestigious laboratory NTS Chesapeake, USA by a team of two testers in good physical condition.** That is one of the main differences compared to European tests where only one man tests the door;
- 3 zones tested: center of the door leaf, lock-side and the hinges; each zone tested for 5 minutes, total time of the test – 15 min;
- at least one of the locks must be not lower than 5th security class, 3 locking directions, installed in the protection box and secured by drilling resistant plate;
- additional locking mechanism at the top and bottom of the door edge;
- good soundproofing (**43 / 41 dB Rw (C;Ctr)**) and heat insulation (1,5 W/(m²K);
- may additionally be fire resistant (**EI30 / EI45**), smoke resistant (**SM C5**);
- **made to measure, unlimited design possibilities**, single, double, with side or upper panels; inswing or outswing;
- designed for the premises with high risk of burglary both private and public; indoor and outdoor use (when using finishing made to withstand outdoor conditions).



	Rating of sound insulation	41 dB Rw (C;Ctr)
	Rating of thermal transmittance	1.5 W/(m²K)
	Identification of burglar resistance	EN 1627:2011 RC3 - class 3
	Resistance to repeated opening and closing	200 000 cycles
	Identification of resistance to wind load	C3 class
	Measurement of air permeability	3 class
	Identification of water tightness	2A class
	Identification of mechanical strength and rigidity	4 class
	Identification of fire resistance (optional)	EI 45
	Identification of smoke resistance (optional)	Sm C5

SKYDAS PREMIUM PLUS

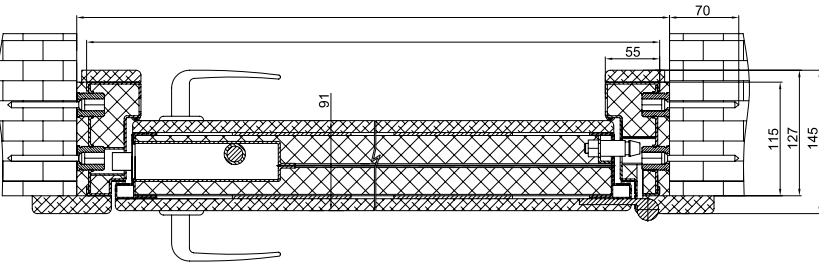


This is our top security door model. SKYDAS PREMIUM PLUS is designed to protect against well prepared and experienced burglar that uses heavy duty tools. The construction of this door is stronger than other European security class RC4 doors.

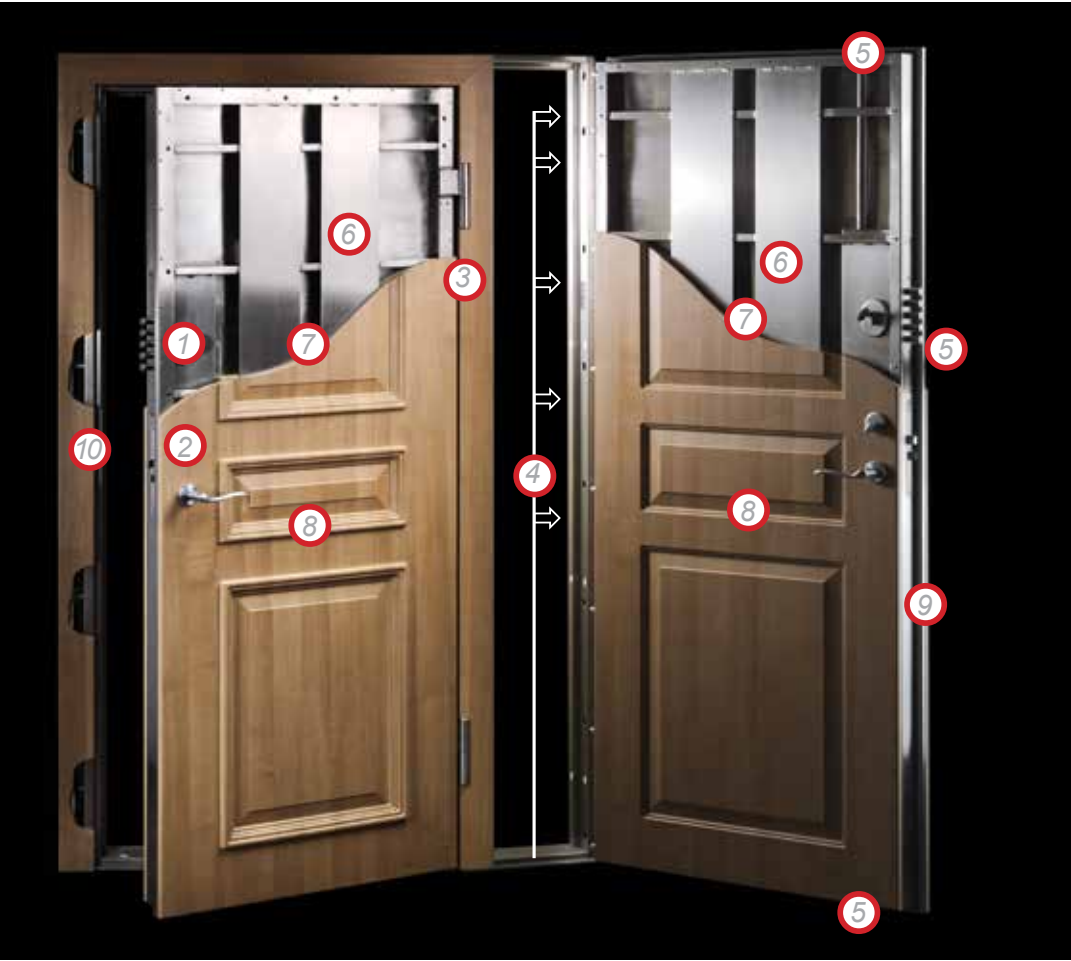


- burglar resistance **tested in Germany**, prestigious Ift Rosenheim laboratory – **RC4** (resistance class 4) by EN 1627:2011 standard; the testers tried to break this door continuously for 77 minutes using various crowbars, hammering, cutting and drilling tools but were not able to break them!
- at least one of the locks must be not lower than 7th security class; -the lock of 3 locking directions is additionally secured by drilling resistant plates;
- locks are installed in protection boxes;
- exceptional soundproofing (**45 dB**)
- may be fire resistant **EI45 / EI60 / EI90 / EI120**;
- **made to measure, unlimited design possibilities**, single, double, with side or upper panels; inswing or outswing
- designed for the premises with very high risk of burglary both private and public; indoor and outdoor use (when using finishing made to withstand outdoor conditions).

SKYDAS PREMIUM FB is a bullet-proof version of the door, which was tested in Germany, Beschussamtes Ulm laboratory according to the standard EN1522. Awarded level of bullet resistance is **FB4** (resistant to 9 mm handgun shots). The door can be single, double, and with a bullet-proof glass. **FB6** is available on request (tested by our factory).



FOR
MAXIMUM
SECURITY



STRUCTURAL FEATURES OF RESISTANCE:

1. The armoured lock is protected by 2 drill resistant manganese plates.

2. The bodies of the main and additional locks are installed in protective steel boxes.

3. Higher security hinges have height adjustment mechanisms.

4. On the side of the hinge there are eight 16mm diameter locking points

5. On the side of the lock there are six locking points and 2 additional points
6. The door leaf is of a combined structure; steel sheet between two layers of grating, so even if the outside grating was damaged, the door is still protected by the steel plate and inside grating.

7. Double thermal insulation: a 3 cm layer of rock wool on both sides of the steel sheet. It provides excellent noise and thermal insulation for the door.
8. The entire ultra strong structure of the door is covered by finishing board. The colour and design can be customized.

9. The lock pins are protected against damage not by steel sheet, but by a 15 mm thick bent profile.

10. The frame is fixed in the opening by 17 pins, protected by steel liners of 24 mm.

	Rating of sound insulation	45 dB Rw (C;Ctr)
	Rating of thermal transmittance	1.5 W/(m²K)
	Identification of burglar resistance	EN 1627:2011 RC4 - class 4
	Resistance to repeated opening and closing	200 000 cycles
	Identification of fire resistance (optional)	EI 45 / EI 60 / EI 120
	Bullet resistance (optional)	FB 4
	Identification of resistance to wind load	C3 class
	Measurement of air permeability	3 class
	Identification of water tightness	1A class

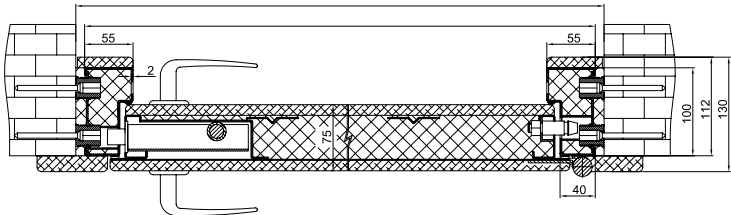
SKYDAS STANDART 3



Burglar resistant security door SKYDAS STANDRT 3 designed to protect against experienced burglar that uses heavy duty tools.

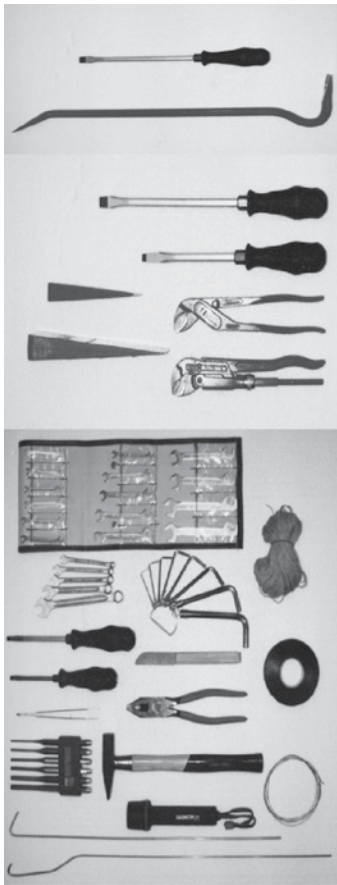
- Burglar resistance **tested in Germany**, prestigious Ift Rosenheim laboratory – **RC3** (resistance class 3) by EN 1627:2011 standard;
- **Certified in Sweden**, main Scandinavian certification center **SBSC**;
 - At least one of the locks must be not lower than 5th security class, additionally protected by drilling resistant plate;
 - Good soundproofing (41 dB Rw (C;Ctr)) and thermal transmittance (1,3 W/(m²K));
 - May be fire resistant (**EI30, EI45**) and smoke resistant (**SM C5**);
 - **made to measure, unlimited design possibilities**, single, double, with side or upper panels; inswing or outswing
 - Designed for the premises with high risk of burglary both private and public; indoor and outdoor use (when using finishing made to withstand outdoor conditions).

A bit modified **SKYDAS STANDRT 3 RC4** door model is available. It's burglar resistance was tested and approved in Lithuania, KTU laboratory – **RC4** (resistance class 4) by EN 1627:2011 standard; outswing doors only;



	Rating of sound insulation	41 dB Rw (C;Ctr)
	Rating of thermal transmittance	1.5 W/(m²K)
	Identification of burglar resistance	EN 1627:2011 RC3 - class 3
	Resistance to repeated opening and closing	200 000 cycles
	Identification of resistance to wind load	C3 class
	Measurement of air permeability	3 class
	Identification of water tightness	2A class
	Identification of mechanical strength and rigidity	4 class
	Identification of fire resistance (optional)	EI 45
	Identification of smoke resistance (optional)	Sm C5

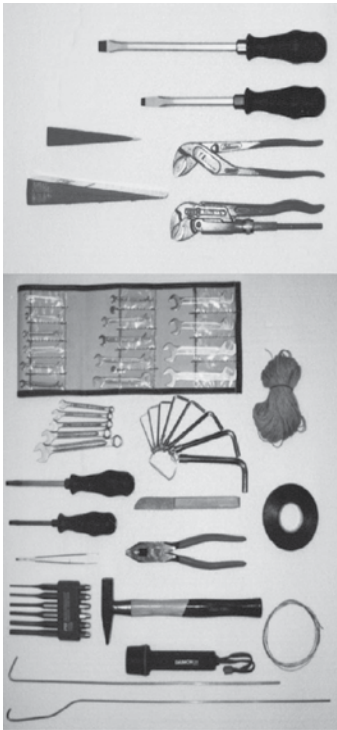
FOR
HIGH
SECURITY



Tools used for testing 3rd security class doors.



FOR
INCREASED
SECURITY



Tools used for testing 2nd security class doors.

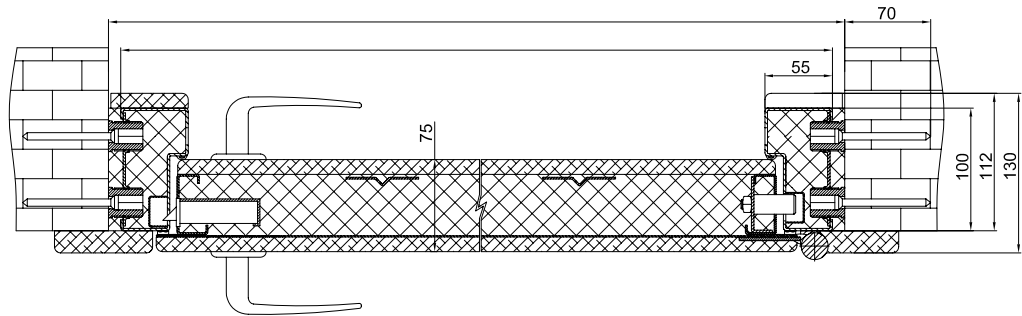


SKYDAS STANDART 2



Burglar resistant security door SKYDAS STANDRT 2 is burglar resistant door, the construction of which was created applying the knowledge of all possible ways and methods of burglary.

- Burglar resistance tested and **approved in Germany**, prestigious Ift Rosenheim laboratory – **RC2** (resistance class 2) by EN 1627:2011 standard;
- **Certified in Sweden**, main Scandinavian certification center **SBSC**;
- At least one of the locks must be not lower than 3rd security class, additionally protected by drilling resistant plate;
- Good soundproofing (41 dB Rw (C;Ctr)) and thermal transmittance (1,3 W/(m²K));
- May be fire resistant (**EI30, EI45**) and smoke resistant (**SM C5**);
- **Made to measure, unlimited design possibilities**, single, double, with side or upper panels; inswing or outswing
- Designed for the premises with high risk of burglary both private and public; indoor and outdoor use (when using finishing made to withstand outdoor conditions).



	Rating of sound insulation	41 dB Rw (C;Ctr)
	Rating of thermal transmittance	1.5 W/(m²K)
	Identification of burglar resistance	EN 1627:2011 RC2 - class 2
	Resistance to repeated opening and closing	200 000 cycles
	Identification of resistance to wind load	C3 class
	Measurement of air permeability	3 class
	Identification of water tightness	2A class
	Identification of mechanical strength and rigidity	4 class
	Identification of fire resistance (optional)	EI 45
	Identification of smoke resistance (optional)	Sm C5

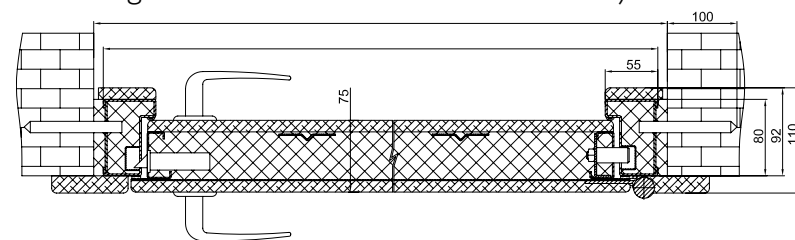
SKYDAS STANDART



If you want to enjoy warm, tight and safe armored door, SKYDAS STANDART is the right choice for you!

Door SKYDAS STANDART – **excellent value for the money!**

- reasonable security level;
- good soundproofing (41 dB Rw (C;Ctr)) and thermal transmittance (1,3 W/(m²K);
- may be fire resistant (**EI30, EI45**) and smoke resistant (**SM C5**);
- **made to measure, unlimited design possibilities**, single, double, with side or upper panels; inswing or outswing
- designed for the premises both private and public; indoor and outdoor use (when using finishing made to withstand outdoor conditions).



	Rating of sound insulation	41 dB Rw (C;Ctr)
	Rating of thermal transmittance	1,3 W/(m²K)
	Identification of burglar resistance	EN 1627:2011 RC2 - class 2
	Resistance to repeated opening and closing	100 000 cycles
	Identification of resistance to wind load	C5 class
	Measurement of air permeability	4 class
	Identification of water tightness	6A class
	Identification of mechanical strength and rigidity	4 class
	Identification of fire resistance (optional)	EI45
	Identification of smoke resistance (optional)	Sm C5

**FOR
BASIC
SECURITY**



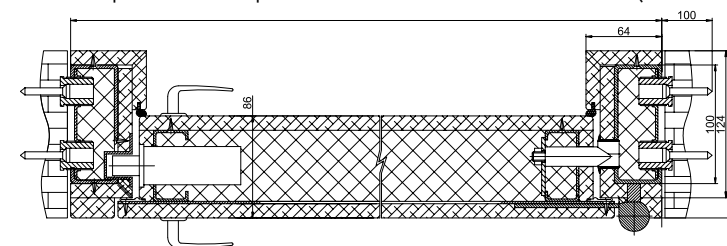
**DESIGNED FOR
OUTDOOR
CONDITIONS**

SKYDAS 2000



Door model SKYDAS 2000 is designed especially for the outdoor conditions and is suitable even for the passive house! New construction improvements allowed to reach the rating of thermal transmittance of **1 W (m²K) maintaining a stable metal construction of the frame and the door leaf**. All the metal structure of frame and the leaf edge are also covered by the finishing board, thus the **cold bridge is eliminated** and the appearance of the door is especially aesthetic.

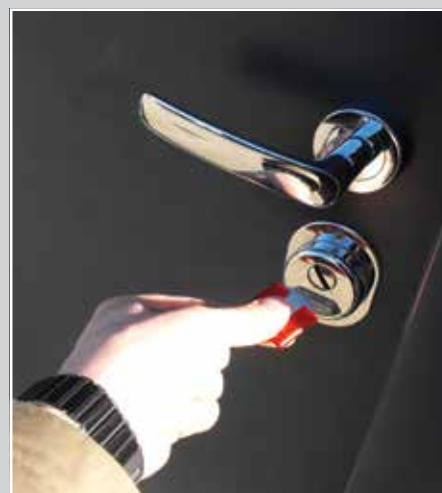
- Finishing painted RAL: made of water resistant EDM plate (warranty 3 years) or humidity resistant Umidax plate (warranty 1 year);
- Other choice for finishing – hardwood plywood (okoume) WRB (20 shades of wood);
- Burglar resistance tested and approved in Lithuania, KTU laboratory – RC3 (resistance class 3) by EN 1627:2011 standard;
- Good soundproofing (**42 dB Rw (C;Ctr)**) and thermal transmittance 1 W (m²K);
- **Made to measure, unlimited design possibilities**, single, double, with side or upper panels; inswing or outswing;
- Designed for the premises both private and public; indoor and outdoor use (when using finishing made to withstand outdoor conditions).



	Rating of sound insulation	42 dB Rw (C;Ctr)
	Rating of thermal transmittance	1 W/(m²K)
	Identification of burglar resistance	EN 1627:2011 RC3 - class 3
	Resistance to repeated opening and closing	100 000 cycles
	Identification of resistance to wind load	C5 class
	Measurement of air permeability	3 class
	Identification of water tightness	6A class
	Identification of mechanical strength and rigidity	4 class



ANY LOCKING SOLUTIONS



TECHNICAL DATA

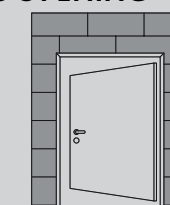
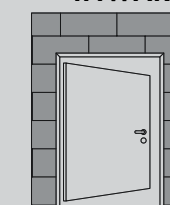
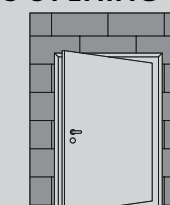
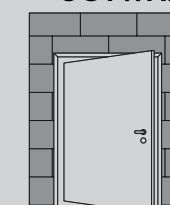
THE THRESHOLD

The threshold can be made of steel, stainless steel and solid oak.

SHAPES OF THRESHOLDS

OUTWARDS OPENING

INWARDS OPENING

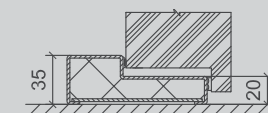


Left hand

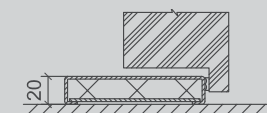
Right hand

Right hand

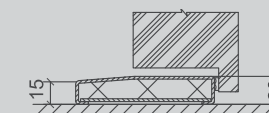
Left hand



"L" SHAPE THRESHOLD. This is recommended for external outward opening doors. The benefits are improved sound and heat insulation due to a double butted lip.



RECTANGULAR THRESHOLD. The low profile 20 mm thresholds is suitable for most doors. The benefits are improved access for disabled users: EU regulations compliant.



SLOPING THRESHOLD. This is recommended for external inward opening doors. We also recommend that a weatherboard be fitted if the door is to be positioned in an exposed location.



NO THRESHOLD. This is intended for doorways which accommodate a large amount of traffic or main entrances to apartment buildings. It is also recommended for disabled users.



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nearest distributor.

