



# SECURE & BEAUTIFUL





# WHO ARE WE?

We are a dedicated team who takes pride in designing and creating the best security products on the market. With over fourteen years experience in manufacturing security doors, windows and other entry systems, we use the best quality materials and the latest manufacturing technology. When it comes to security technology we are innovators and always one step ahead.





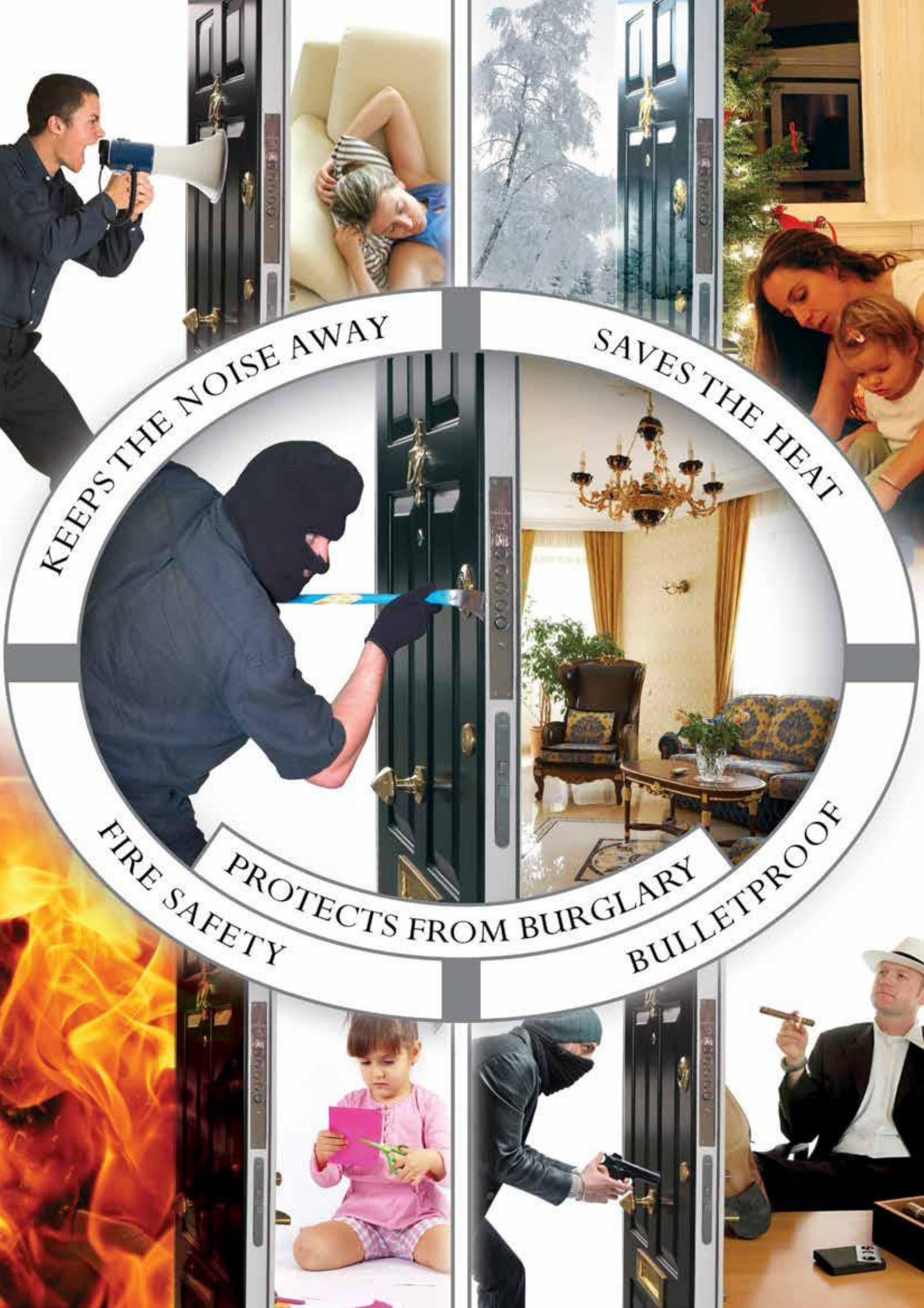
## A NEW STANDARD OF BURGLAR RESISTANCE EN 1627:2011 TOOK FORCE IN EUROPE – MORE SECURITY FOR YOUR PREMISES

A new classification of reinforced doors based on burglar resistance has now been introduced into Europe. A new standard EN 1627:2011 (security classes RC) has replaced the existing one that was in force since 1999. The old standard (security classes WK) required only one point of the door to be tested for burglar resistance. A tester was free to decide which point on the door they test. The new standard requires testing the whole surface of the door, point by point, every 10 - 20 cm. The test is significantly more rigorous and its duration increased.

The requirements state that the tested points on the door each have to withstand 10 minutes of testing to achieve a security class 4 (RC4). The SKYDAS PREMIUM PLUS door withstood a full 77 minutes of attack, which far exceeded the requirements of the test. The new standard made to the testing process: new break-in tools were added, the strength of an impact was increased and higher requirements for the locks introduced. SKYDAS doors were successfully tested and approved to this new standard EN 1627:2011 by notified laboratories.

| Security class RC | Burglary type                                                                     | Use                                                                                          | SKYDAS door model   |
|-------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|---------------------|
| 1                 | Basic protection against burglary by the use of physical force                    | Premises without increased risk of burglary                                                  | -                   |
| 2                 | Burglar uses basic burglary tools                                                 | Increased protection for normal housing security                                             | Skydas Standart 2   |
| 3                 | 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   |
| 4                 | 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 |
| 5                 | Experienced burglar additionally uses power cutting and heavy duty drilling tools | Extremely high protection for military and industrial premises. Minimum door weight - 300 kg | -                   |
| 6                 | Experienced burglar additionally uses power cutting and heavy duty drilling tools | Extremely high protection for military bunkers, etc. Minimum door weight - 500 kg            | -                   |





KEEPS THE NOISE AWAY

SAVES THE HEAT

FIRE SAFETY

PROTECTS FROM BURGLARY

BULLETPROOF



# APARTMENT DOORS

Decoration panels for apartment doors are usually made of a MDF panel (12mm thickness) laminated by PVC film. Advanced technology allows us to produce for you a durable finish of high quality. A wide range of colours, shades and designs are available. Apartment doors can also be finished in all kinds of natural veneer.





# APARTMENT DOORS



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





# ENTRANCE DOORS

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. It's wood texture gives the luxury look to your door and does not limit your design ideas.



# DOORS W



# WITH NATURAL FINISH



Natural oak, ash, pine-tree or can also be used for the finish of entrance doors.





# 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.





# ENTRANCE DOORS



Choose any internal or external door design and colour. This provides you with the freedom to match any designed door with the existing interior and exterior.



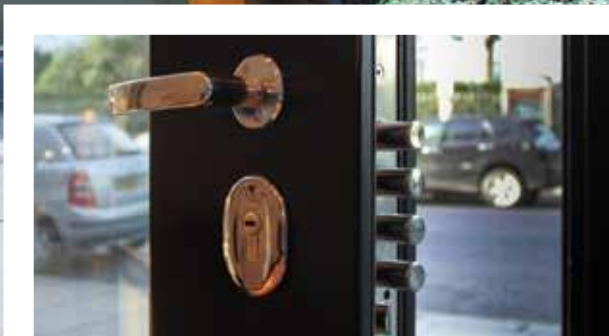
# T·H·E W·A·T·C·H G·A·L



# GLASS-CASE DOORS



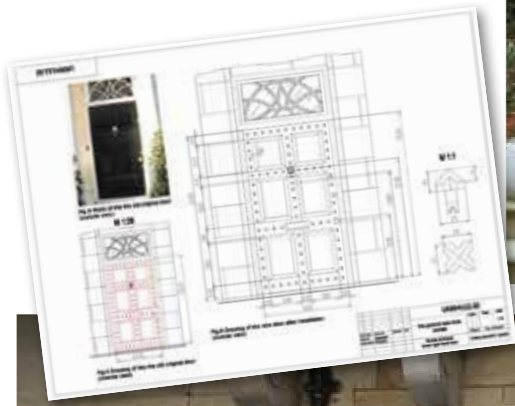
The SKYDAS door range comes in either double or triple glazing meaning that they have excellent thermal properties when installed in your home. Security is not compromised even when very large scale doors are required. Bulletproof glass can be fitted as an extra security option.





# DOORS BY PICTURE

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



# COMMERCIAL DOORS

SKYDAS installs doors for residential and commercial properties across Europe. We have a proven track record in being a reliable partner to construction companies, architects and property developers.



# 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.



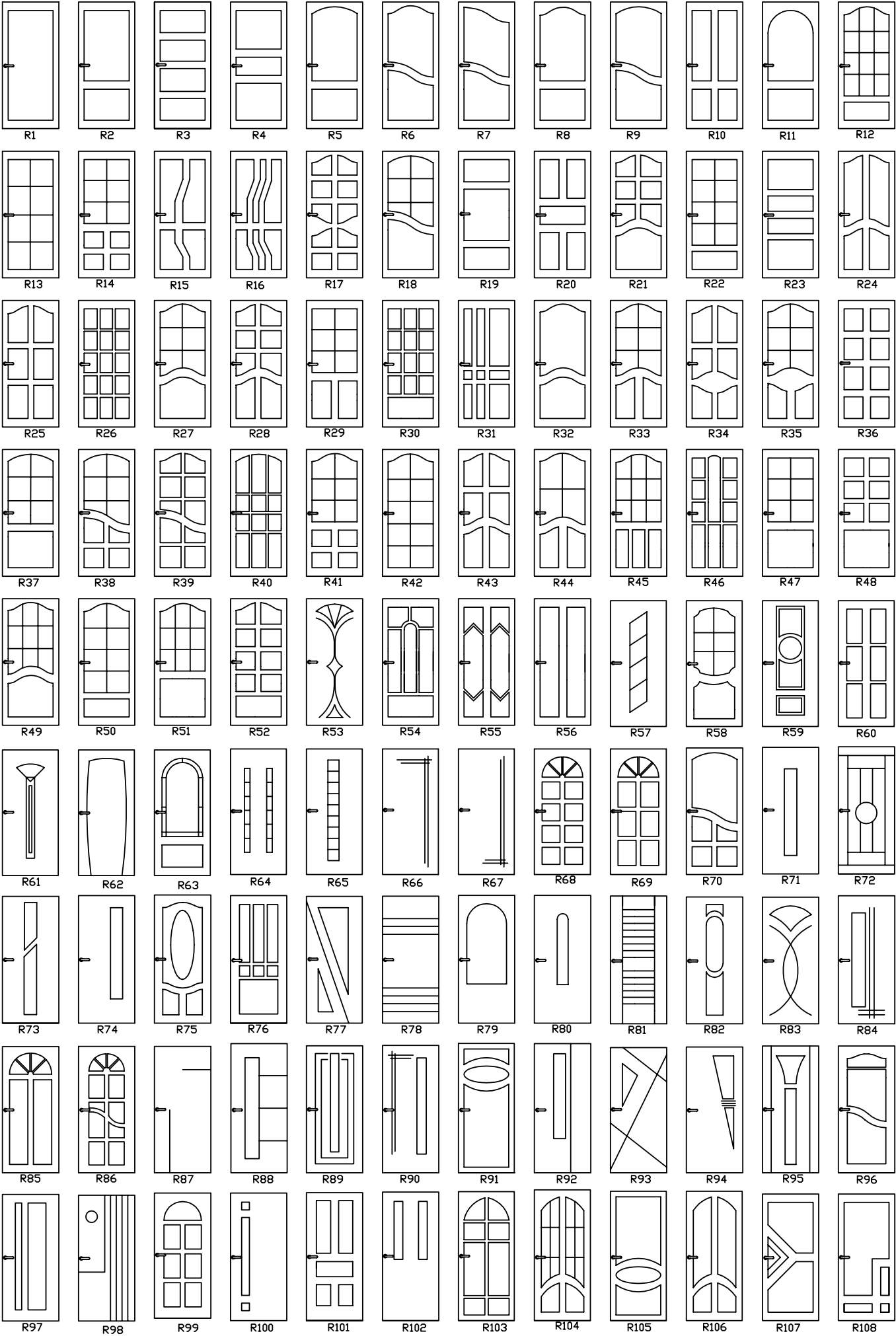
# GALLERY



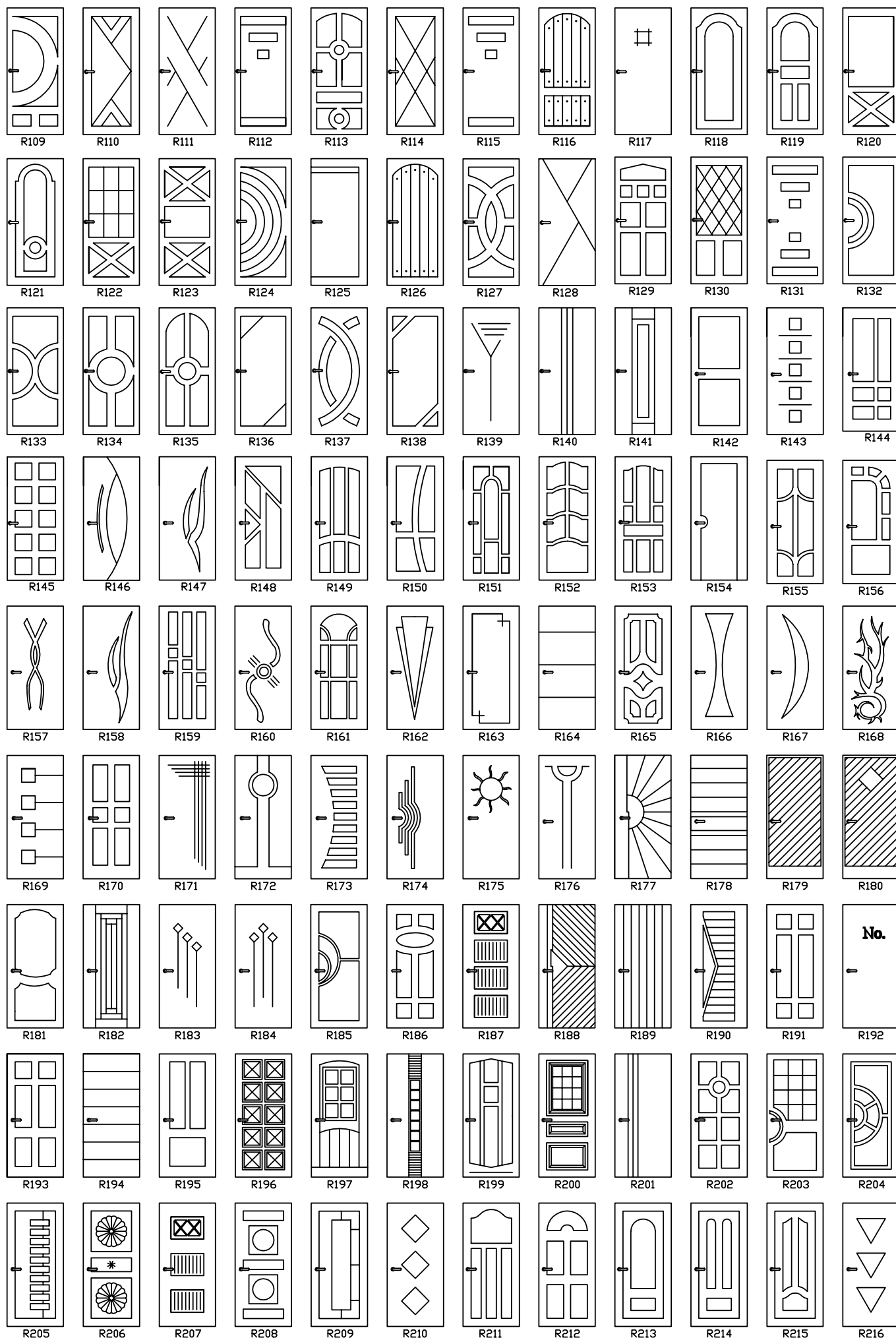
# GALLERY



CARVINGS



# CARVINGS



## COLOURS OF THE METAL DOOR CASING AND DOOR-LEAF



## COLOURS OF DOOR DECORATION PANELS



## COLOURS OF WRB (OKOUME) DOOR DECORATION PANELS

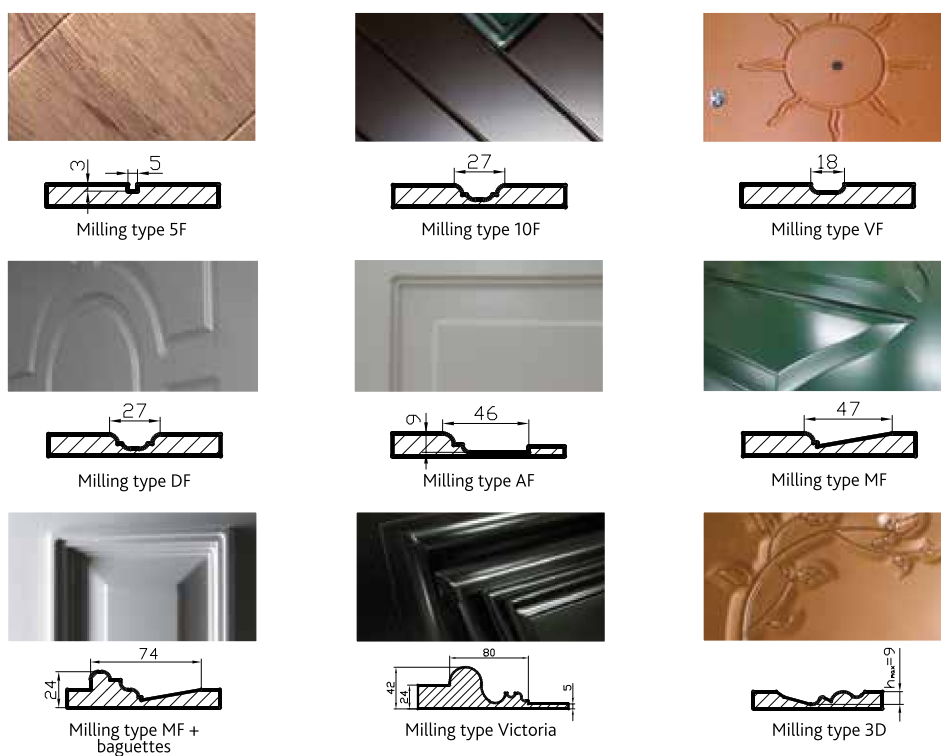


NOTE: The shades of the colours in the printed catalogue may slightly differ from the original ones in RAL, veneer or PVC catalogue. Please, refer to the original RAL, veneer or PVC catalogue.

# COLOURS OF PVC FILM



# DOOR MILLING TYPES



# DOOR MODELS SKYDAS PREMIUM PLUS

**FOR  
MAXIMUM  
SECURITY**

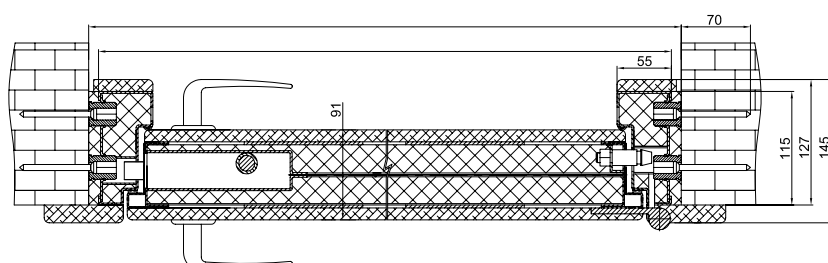
Burglary resistance class 4 (RC4) by EN 1627:2011

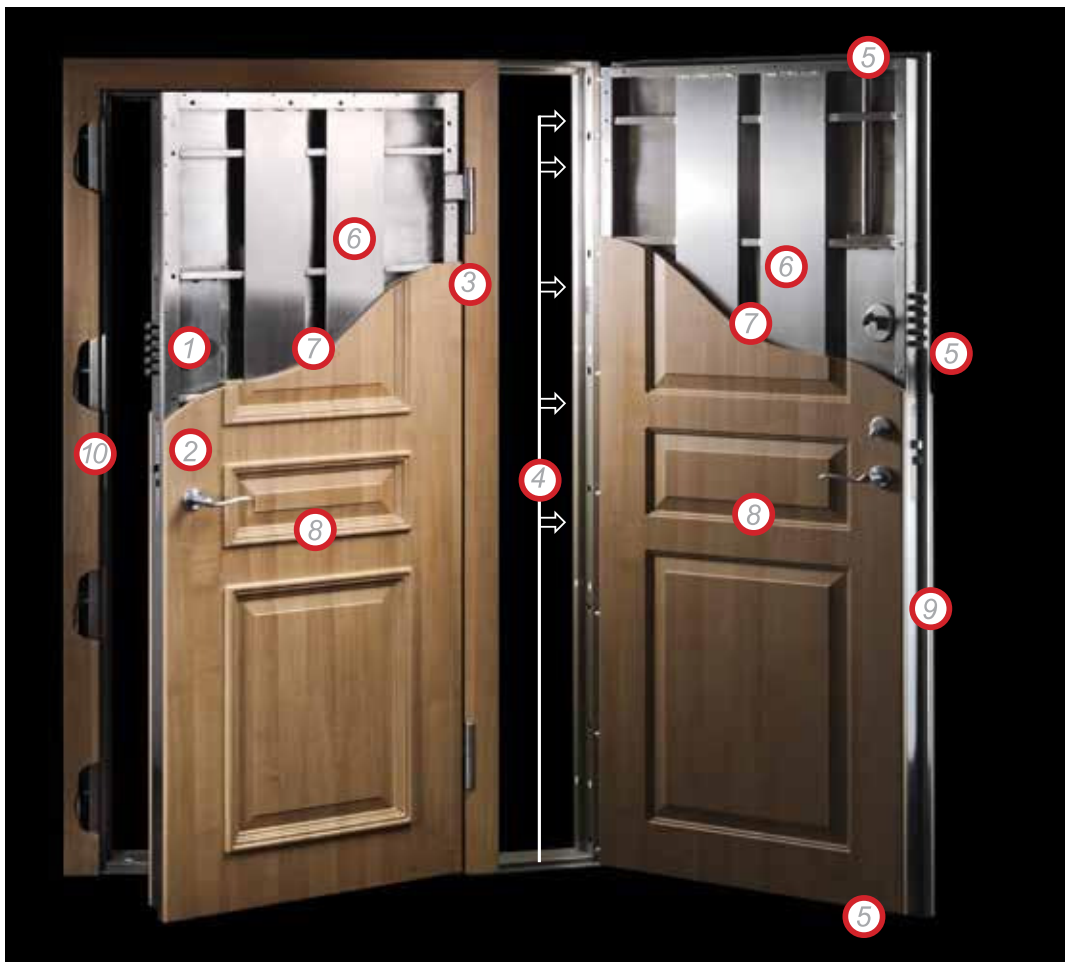
SKYDAS PREMIUM PLUS is our most burglar resistant door. The unique construction was born from the application of the full knowledge, experience and skill of our company in defeating all possible methods of burglary. We are proud that in tests at the notified laboratory IFT Rosenheim, Germany, the testers were unable to breach the door despite 77 minutes of continuous attack using various crowbars, hammering, cutting and drilling tools.



*Tools used for testing 4th security class doors.*

Following these tests, the SKYDAS PREMIUM PLUS door was awarded 4th security class (RC4 according to EN 1627:2011 standard). At least one of the locks installed in this door model must be no lower than 7th security class. SKYDAS PREMIUM PLUS door provides excellent sound insulation (45 dB) and protects against fire for up to 120 minutes (EI45 / EI60 / EI120). SKYDAS PREMIUM PLUS door FB4 is a bullet-proof version of the door which was tested in Germany, Beschussantes Ulm laboratory according to the standard EN1522. It has been awarded a level of bullet resistance to FB4 (resistant to 9 mm handgun shots). SKYDAS PREMIUM PLUS door is suitable for both apartments and houses. The door can be single or double leaf, opening inwards or outwards. This door can be fitted with a bullet-proof glass.





## 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 directed upwards and downwards. A separate protective sleeve secures each lock pin in the door frame.
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                   |

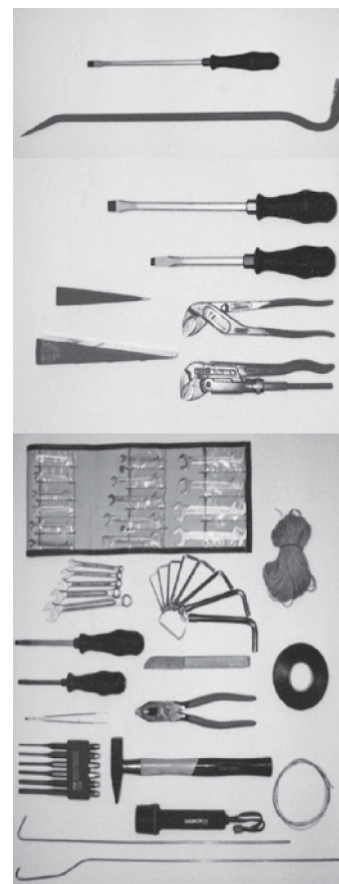
# SKYDAS STANDART 3

Burglary resistance class 3 (RC3) by EN 1627:2011

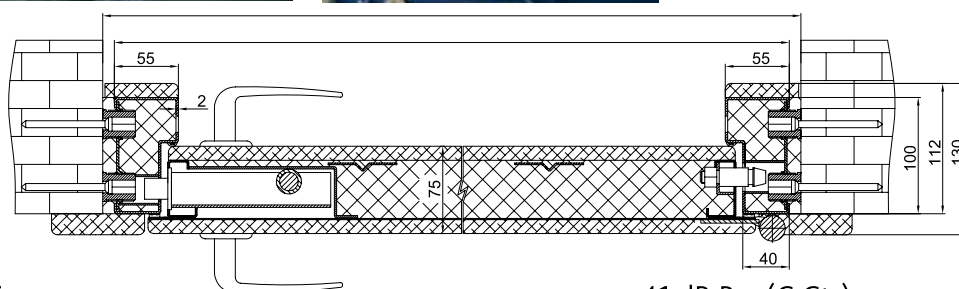
SKYDAS STANDART 3 is a burglar resistant door that protects you from a skilled burglar using heavy-duty burglary tools. Its construction was born from the application of the full knowledge, experience and skill of our company in defeating all possible methods of burglary. Burglar resistance of the security door SKYDAS STANDART 3 was tested and approved by the laboratory IFT Rosenheim, Germany, and was awarded the 3rd security class (RC3) according to the newest EN 1627:2011 standard. One of the locks installed in this door model must be no lower than 5th security class. SKYDAS STANDART 3 provides excellent sound and thermal insulation and therefore is suitable for both apartments and houses.

NEW! Now Skydas Standart 3 available also as security class 4 (RC4) door.

**FOR  
HIGH  
SECURITY**



*Tools used for testing 3rd security class doors.*



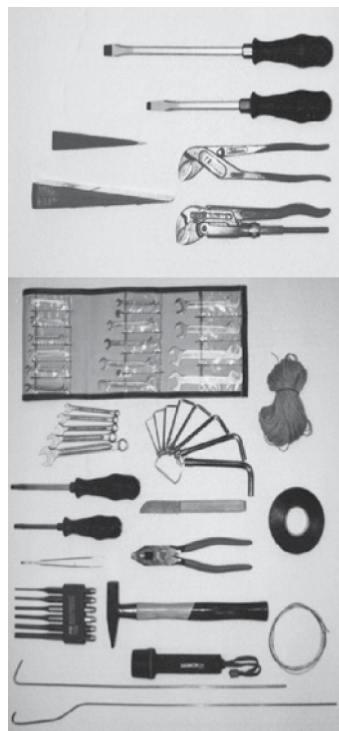
|  |                                                    |                            |
|--|----------------------------------------------------|----------------------------|
|  | Rating of sound insulation                         | 41 dB Rw (C;Ctr)           |
|  | Rating of thermal transmittance                    | 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  
INCREASED  
SECURITY**

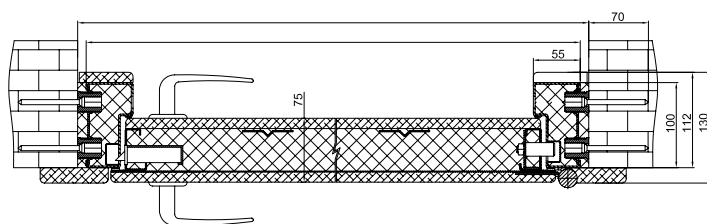
# DOOR MODELS SKYDAS STANDART 2

Burglary resistance class 2 (RC2) by EN 1627:2011

SKYDAS STANDART 2 is a burglar resistant door that protects you from the burglar using basic burglary tools. Burglar resistance of the security door SKYDAS STANDART 2 was tested and approved by the laboratory IFT Rosenheim, Germany, and was awarded the 2nd security class (RC2) according to the newest EN 1627:2011 standard. At least one of the locks installed in this door model must be no lower than 3rd security class. SKYDAS STANDART 2 provides excellent sound and thermal insulation and therefore is suitable both for apartments and houses. The door SKYDAS STANDART 2 can be fire resistant and can open inwards or outwards.



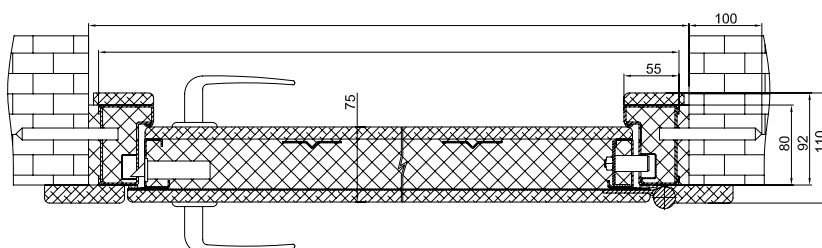
*Tools used for testing 2nd security class doors.*



|  |                                                    |                            |
|--|----------------------------------------------------|----------------------------|
|  | 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                      |



Enjoy the security of a SKYDAS STANDART. We are able to meet the most elaborate design requests. SKYDAS STANDART is a unique and economical model maintaining some of the features of the more expensive doors: characteristic bent metal constructions, good sound and heat insulation, fire resistant. The doors are suitable for both apartments and houses. These doors enjoy well thought out construction and can be delivered and fitted in your home at an affordable price.



|  |                                                    |                            |
|--|----------------------------------------------------|----------------------------|
|  | 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                      |

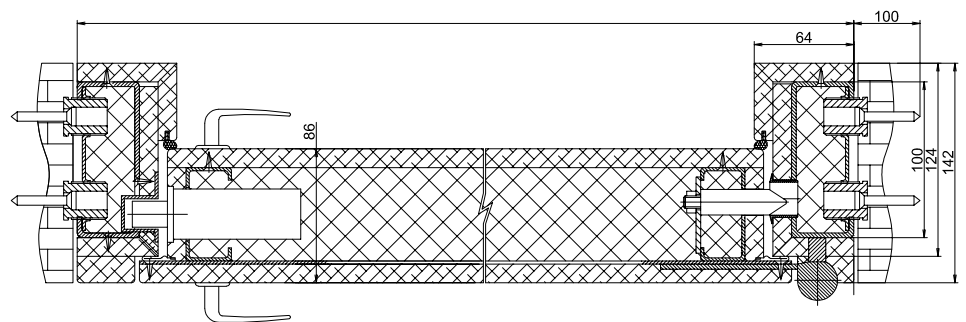
## ANY LOCKING SOLUTIONS



## DESIGNED FOR OUTDOOR CONDITIONS

# SKYDAS 2000

The benefit of a SKYDAS 2000 door is that it is a thicker door designed to accommodate additional insulation, which resist thermal conduction. The frame and door are fully encased which consequently creates an aesthetically pleasing result. The door is suited to more extremes of temperature and climate. The user also benefits from improved sound insulation. The SKYDAS 2000 can be finished in either EDM (Extreme Durable MDF) wood fiber-board or Water Resistant Board (WRB) made of natural hardwood veneers. The EDM board is finished in high quality polyurethane paint that resists fading. The door SKYDAS 2000 can be a bespoke door for individual requirements. It has very impressive characteristics for noise reduction (42 dB) and heat insulation (1 W (m<sup>2</sup>K)) and therefore is a perfect choice for your home. This security door can even be suitable for passive houses (check your local requirements).



|  |                                                    |                            |
|--|----------------------------------------------------|----------------------------|
|  | Rating of sound insulation                         | 42 dB Rw (C;Ctr)           |
|  | Rating of thermal transmittance                    | 1 W/(m <sup>2</sup> K)     |
|  | 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                    |

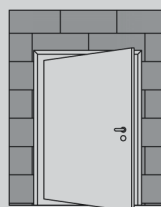
## TECHNICAL DATA

### THE THRESHOLD

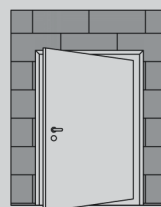
The threshold can be made of steel, stainless steel and solid oak.

### SHAPES OF THRESHOLDS

#### OUTWARDS OPENING

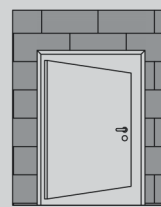


Left hand

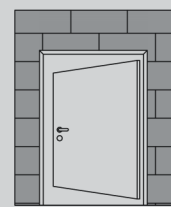


Right hand

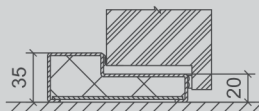
#### INWARDS OPENING



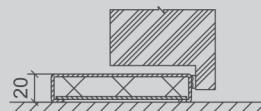
Right hand



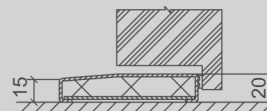
Left hand



"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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