

Safety with your style



The home threshold is the ideal and material **b o u n d a r y l i n e** between the world outside and your private realm



Torterolo & Re has been planning and producing armour-plated doors, entrances and shutters that offer protection for over 40 years. You choose the model and modify it to suit your own requirements. While each model is different in terms of structure and locking systems, they have been meticulously planned to each individual requirement and are manufactured using carefully selected materials.

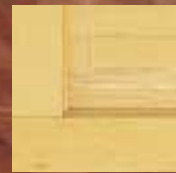




Protection with security, welcome with style

Our armour-plated doors, entrances and shutters present a barrier to intrusion. Yet they also mirror your own style and harmonise with the surrounding environment. Torterolo & Re can offer you a choice of creative colour schemes, the finest wood grains and detailed finishes, all of which are aesthetically pleasing.

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A test-proof protection

In order to grade the security rating of an armour-plated door at first sight, you must first be aware of international standards.

To attain the ENV 1627 (European Norm), an armour-plated door must be certified by means of stringent testing carried out under strict laboratory conditions. This certification, which is the clients' guarantee, is contained on label detailing the name of the manufacturer, homologation class and the registration number and is adhered to all Torterolo & Re doors.

Torterolo & Re - whose products in the early 90's had already successfully undergone the tests for the National Norm UNI 9569 - tested all its models (single and double door) according to the ENV 1627 Standard.



Armour-plated doors

A closed door represents the most important protection from external intrusions. Yet when open it is the sign of hospitality and mirrors the owners' individuality. That is why Torterolo & Re armour-plated doors are designed to protect but also to meet all aesthetical tastes: a wide variety of external finishes, hide impregnable locks and impenetrable steel structures.

The Silver, Gold and Gold Plus series offer a great selection and are designed to meet any practical requirement as the features and locking systems can differ depending on your preference.



gold plus series



Using a great variety of luxurious panels, detailed finishes, superior materials and strict controls: the armour-plated doors from the Gold Plus series offer unique security.

Thanks to the high-level technological components and to an integrated check of the production process, these armour-plated doors show many innovative aspects to further deter burglars.

In fact, the Gold Plus series doors have passed the burglary and violation tests established by the ENV 1627 European Norm therefore obtaining a Class 4 certificate.

Wing structure

Double galvanized steel sheet (12/10 thick) with internal vertical supports. Thermal and soundproofing insulation are ensured by the fireproofing insulation found in the core of the door itself.

The wing is equipped with two robust adjustable hinges and with five fixed pins that run into the frame when the door is closed.

A drill-proof plate protects the lock. External dark brown painted steel panel-keeper surround.

A soft rubber gasket in the bend of the internal steel sheet blocks air, dust and sounds.

Internal and external handle kits are available in different styles and colours.

In addition the door is equipped with: peephole, door retainer and moveable draught excluder.



Frame and false frame

The frame and false frame are made with a brake-formed steel sheet, painted brown RAL 8014 (20/10 thick). Once screwed together, in a single block, they become part of the wall structure, in which the door has been inserted. The frame and false frame, available in different forms, can be adjusted in either height or width, therefore ensuring an efficient installation in most circumstances.



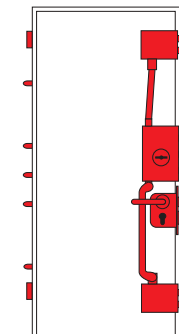
The locking systems contained in the latest collection (which differ according to each model) offer a high-level reliability and can meet any operational demands.



The advantage of practicality

Double-bitted security lock
and service lock with
cylinder.
Break-in protection, Class 4,
ENV 1627 Standard.

Standard and non-standard
dimensions versions,
single or double wings.
(Double wings version,
break-in protection
Class 3, ENV 1627 Standard).



The solidity of the TR 100 structure, together with the reliability of the double bitted key can offer high level security guarantees; the service lock, allowing a discretionary access, add the advantage of practicality.

Security lock: the double-bitted security lock is activated by a key which controls three pins and two double lateral pins (one is located on top, the other on the bottom).
Service lock: a cylinder lock, it offers the security of a reliable mechanism while allowing only authorized individuals access into the property.



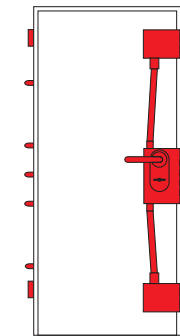
The Core of safety



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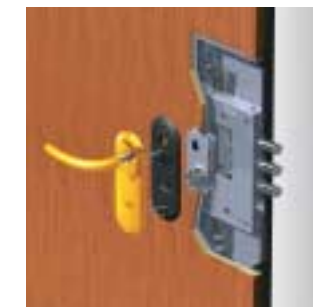
Security lock with interchangeable core. Break-in protection, Class 4, ENV 1627 Standard.

Standard and non-standard dimensions versions, single or double wings. (Double wings version, break-in protection Class 3, ENV 1627 Standard).



Thanks to the security lock with its interchangeable core, this is the ideal door for new buildings or reconstruction.

A double-bitted key that controls the pins, the spring-latch and two double lateral pins, one on the top and one on the bottom activates the security lock. This lock is equipped with a practical temporary core that allows the opening of the door with a passe-partout key. Electricians, plumbers, carpenters etc. can freely access the work area. Once work has been completed, the owner needs only to substitute the plastic core with the definitive steel one, which is delivered with the three keys in a sealed box. This system allows for the substitution of only the core instead of the whole lock.



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The great performances of a small key

Security lock for European profile cylinder, resistant to forced extraction. Break-in protection, Class 4, ENV 1627 Standard.

Standard and non-standard dimensions versions, single or double wings. (Double wings version, break-in protection Class 3, ENV 1627 Standard).

For those who wish for maximum security without a heavy locking mechanism, the European profile cylinder can provide just that, with high performance in just one small key.

The TR 400 locking system comprises a security lock with European profile cylinder that activates three central pins, plus the spring-latch and two double lateral pins, one on the top and one on the bottom.

The security lock is equipped with a special device, which blocks the system in case of forced extraction of the cylinder.

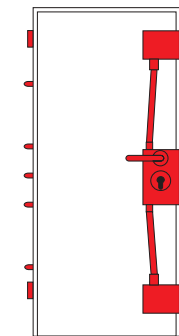
Besides its excellent technical and functional characteristics, the European profile cylinder also offers the practicality of a reduced key size.

Furthermore, the special external protection manufactured from drill-proof steel prevents any break-in or manipulation attempt.

This locking system is very effective in cases where the keys are lost because it allows for the easy substitution of the cylinder instead of the entire lock.



The lock can be equipped with all the European profile cylinders contained in the Tortorolo & Re catalogue, in addition to a half cylinder that can be temporarily used on the work area.



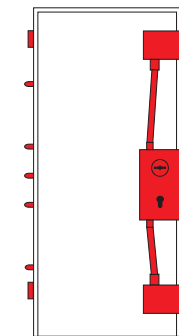


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A double security

Double-bitted security lock
and service lock with
cylinder.
Break-in protection, Class 4,
ENV 1627 Standard.

Standard and non-standard
dimensions versions,
single or double wings.
(Double wings version,
break-in protection
Class 3, ENV 1627 Standard).



The TR 600 armour-plated door offers distinctive security or even better, amplified security thanks to the double lock mechanism.

The latest generation double-bitted lock is activated by just one key that controls three pins and a central spring-latch, plus an upper and a lower double lateral pin.

Secondary lock: a cylinder activates it. It offers the security of a reliable mechanism and the opportunity to allow personnel or staff only partial access to the work area. That is because the key, which only the house owner can possess, activates the spring-latch and the locking pin and also blocks the main lock.

In order to transform this locking system into a remarkable security lock, you will only need to substitute the standard cylinder with one equipped with a defender.

The tempered drill-proof steel defender, anchored inside the door, prevents any manipulation or extraction attempt.

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Double lock, Multiple functionality

Security lock for European profile cylinder, patented for resistance to forced extraction and service lock with cylinder.
Break-in protection, Class 4, ENV 1627 Standard.

Standard and non-standard dimensions versions, single or double wings. (Double wings version, break-in protection Class 3, ENV 1627 Standard).

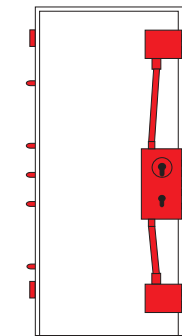
The presence of a double locking system equipped with the European profile cylinder, doubles the level of security and adds additional advantages.

Security lock: activated by a European profile cylinder. It offers the highest protection from manipulation and extraction attempts due to the composition of the cylinder defender anchored inside the door which is made from drill-proof steel. The lock is also equipped with a special device - exclusive Torterolo & Re patent - which blocks the system in case of forced extraction of the cylinder. A small key controls three pins and a central spring latch, an upper double lateral pin and an inferior one. If the keys are lost, you will just need to substitute the cylinder instead of the whole lock.

Secondary lock: equipped with cylinder, it is activated by a key that controls a spring latch and a locking pin, but it also blocks the main lock. In that way, the owner can allow limited access to staff. In order to transform this lock in to a high security one, one only needs to request the substitution of the standard cylinder for one equipped with a defender.



Upon request, both cylinders can be masterkeyed so that only a principal key activates both mechanisms, while the service lock will activate only one mechanism.



Mechanics and electronics: a perfect combination

Security lock with cylinder, engine-powered block and electronic recognition transponder.
Break-in protection, Class 4, ENV 1627 Standard.

Standard and non-standard dimensions versions, single or double wings. (Double wings version, break-in protection Class 3, ENV 1627 Standard).

The locking system, combines the most reliable mechanics with the most sophisticated electronics and consists of two secure systems: the first is activated by a high-security European profile cylinder, the second is activated by an electronic key through a transponder.

The security lock is equipped with a high-security European profile cylinder that activates a spring-latch and three pins, two lateral double pins, one on the top and one on the bottom.

The motorized block consists of a mechanism which is powered by two batteries positioned on the door. The high-level electronic card that controls the disengagement does not wear out, nor does it require any adjustment or maintenance; in effect an interface without contacts for code transmission which guarantees total reliability.

The antenna offers the utmost security, because reduced emissions and the "Faraday cage", provided by the wing structure prevent interception.

A green and a red LED indicates the status of the door (Locked or Unlocked).

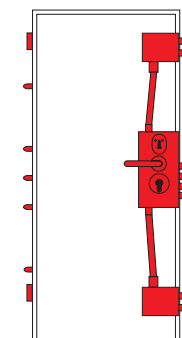
The door is delivered with three main keys and two master keys.

The first two activate the security lock, while the second ones also contain a transponder which activates the motorized control system for locking.

Black keys can only be copied at



authorized centres and will require display of a unique ownership ID issued only upon purchase.



Electronics become security

Motorized security lock with electronic recognition. Break-in protection, Class 4, ENV 1627 Standard.

Standard and non-standard dimensions versions, single or double wings. (Double wings version, break-in protection Class 3, ENV 1627 Standard).

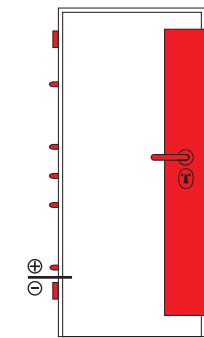
The Logic armour-plated door goes beyond the concept of traditional lock thanks to a locking system that is both high-level and practical at the same time.

Engagement of the lock is motorized and is activated by a transponder key that must be inserted into the designated antennas.

It is however possible, to lock and unlock the door from the inside without the electronic key, by slightly pushing the button located inside the antenna.

The mechanical security is assured by 10 pins with a diameter of 18 mm, placed along the full wing height. These pins automatically lock when the door is set ajar. The electric engine power, tested for millions of cycles, guarantees the highest reliability. In power failure situations a back-up battery is activated and if its energy is not sufficient it will be possible to rely on the emergency release.

The transponders keys can only be copied at authorized centres and will require display of a unique ownership ID issued only upon purchase.



If the key is lost, you will need to request another key set. The system will then need to be reprogrammed by following an easy process that does not require any expert involvement.

gold series

Aside from offering the highest protection from break-in, burglary and manipulation attempts and in addition to their detail for practicality and style, the armour-plated doors from the Gold series, represents the ideal asset for a valuable property.

Thanks to the perfect integration of planning, materials and locking system, the armour-plated doors from the Gold Series offer the homologation guarantee in Class 3 according to the ENV 1627 Standard (also available in Class 4 version on request).

Wing structure

Double galvanized steel sheet, 10/10 thickness with internal vertical supports.

Thermal and soundproofing insulation are ensured by the fireproofing insulation found in the core of the door itself.

The wing is equipped with two robust adjustable hinges and with five fixed pins that run into the frame when the door is closed.

A drill-proof plate protects the lock. External dark brown painted steel panel-keeper surround.

A soft rubber gasket in the bend of the internal steel sheet blocks air, dust and sounds.

Internal and external handle kits are available in different styles and colours.

In addition the door is equipped with: peephole, door retainer and moveable excluder.

Frame and false frame

The frame and false frame are made with a brake-formed steel sheet, painted brown RAL 8014 (20/10 thick). Once screwed together, in a single block, they become part of the wall structure, in which the door has been inserted.

The frame and false frame, available in different forms, can be adjusted in either height or width, therefore ensuring an efficient installation in most circumstances.



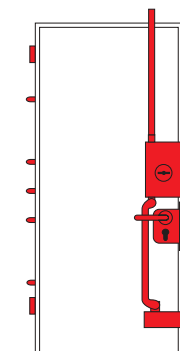
The locking systems contained in the latest collection (which differ according to each model) offer a high-level reliability and can meet any operational demands.

Security and Convenience



Double-bitted security lock and service lock with cylinder.
Break-in protection, Class 3, ENV 1627 Standard.
(Also available in Class 4 version).

Standard and non-standard dimensions versions, single or double wings.



The perfect integration of structure and locking system, comprised of a security double-bitted lock and a practical service lock offers affordable high-level protection.

The service lock, activated by the cylinder, is made up of a rectangular pin and a spring latch, and useful for limited access (staff, workers etc.).

This door is equipped with the latest model double-bitted security lock of high reliability. A key controls three pins in the centre, a lower lateral pin and an upper vertical pin.

The new generation

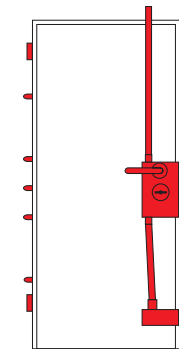


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Double-bitted security lock.
Break-in protection, Class 3,
ENV 1627 Standard.

(Also available in Class 4 version).

**Standard and non-standard
dimensions versions,
single or double wings**



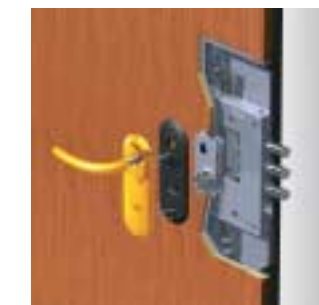
This door is equipped with the double-bitted security lock (as detailed in the last version), which offers security, reliability and practicality.

The double-bitted security lock guarantees resistance to break-in. A key activates three central pins, the spring-latch, a lower lateral pin and an upper vertical pin.

Additionally the lock system can be equipped with an interchangeable core lock, which can be very useful in new properties and renovations. Infact, the door is delivered with a site core that allows the temporary activation of the lock through a service key; in this way it is possible to limit the access of authorized staff and co-workers until the facility has been finished.

The definitive steel core, equipped with 3 key gorges, is given to the property owner in a sealed box.

Should the keys become lost, this system allows for the easy substitution of only the core instead of the whole lock.

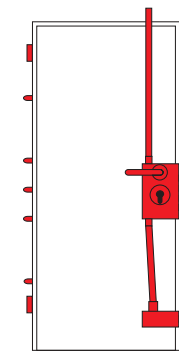


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The security Cylinder

Security lock for European profile cylinder, resistant to forced extraction. Break-in protection, Class 3, ENV 1627 Standard. (Also available in Class 4 version).

Standard and non-standard dimensions versions, single or double wings



The security lock for the European profile cylinder not only offers excellent functional and technical features, but also the practicality of a small key.

Aside from the spring-latch, the key activates three central pins, a lower lateral pin and an upper vertical pin.

A unique characteristic of this mechanism is the European profile cylinder, protected by a drill-proof defender – anchored inside of the door – which prevents any manipulation or extraction attempts. Furthermore, the lock is equipped with a special device resistant to forced extraction (A Torterolo & Re exclusive patent) which blocks the system in case of forced extraction of the cylinder.

This locking system is very effective in cases where the keys are lost because it allows for the easy substitution of the cylinder instead of the entire lock.

In addition the lock can also be equipped with a half cylinder that can be temporarily used on the work area.



Functional security

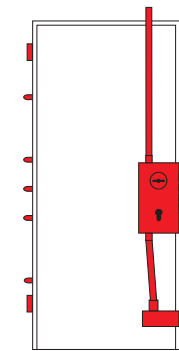


Double-bitted security lock
and service lock with
cylinder.

Break-in protection, Class 3,
ENV 1627 Standard.

(also available in Class 4 version)

**Standard and non-standard
dimensions versions,
single or double wings**



Whether you decide to lock the door
with only the main double-bitted lock
or with the secondary lock with
cylinder, security is always assured.

The TR 610 armour-plated door offers
the security of a high-level lock
system, made up of two kinds of lock: a
main lock and a secondary one. This
becomes particularly useful when you
want only limited access for some
workers or staff.

The first lock is a double-bitted
security lock, activated by a key that
controls three pins and a central
spring-latch, a lower lateral pin and an
upper vertical pin.

The second one is a lock with a cylinder
where the key not only activates the
spring-latch and the locking pin, but
also blocks the main lock.





silver series

Internal and external handle kits are available in different styles and colours.

In addition the door is equipped with a panoramic peephole and also an optional door retainer and moveable draught excluder.

Frame and false frame

Made with 20/10 thickness brake formed steel sheet, brown coated. Screwed in a unique block, they become integral with the wall in which the door is installed.

Frame and falseframe - adjustable in height and width and available in different versions - guarantee an easy installation in any kind of situation.

The armour-plated doors from the Silver series give the look of magnificence and security to any property. Precision, high technology production and the stringent selection criteria of materials and locks ensures a passive resistance to break-in attempts. Attention to detail, elegance and a variety of panels can satisfy numerous preferences and styles.

The armour-plated doors from the Silver series have passed all break-in and burglary tests set by the ENV 1627 European Norm, thereby acquiring the Class 2 certification.

Wing structure

Machine pressed steel sheet, reinforced and solidified by strong vertical supports.

The wing is equipped with two robust adjustable hinges and five fixed pins that are driven into the frame when the door closes.

The lock is protected by a drill-proof plate.

The external panel keeper surrounds are brown coated.

A soft rubber gasket in the bend of the internal steel sheet blocks air, dust and sounds.



TR 120

Double-bitted security lock and service lock with cylinder. Break-in protection, Class 2, ENV 1627 Standard.

The TR 120 armour-plated door signifies an exceptional cost versus quality ratio.

This door is equipped with two kinds of lock: the first one being a double-bitted security lock, activated by a key that controls three central pins, a lower lateral pin and an upper vertical pin. The second one is a service lock with a cylinder. This becomes particularly useful when you want only limited access for some workers or staff.



TR 220

Double-bitted security lock. Break-in protection, Class 2, ENV 1627 Standard.

The TR 220 armour-plated door is a reliable answer to the security requirements of most individuals.

Its locking system is equipped with a double-bitted security lock, activated by just one key that controls three pins, the spring-latch, a lower lateral pin and an upper vertical pin.

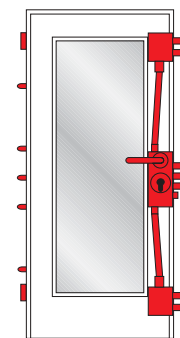
SUN - LIGHT



Increased brightness in total security

Security lock for European profile cylinder.

Standard and non-standard dimensions versions, single or double wings



Ideal for offices and professional studies, perfect as a passage to balconies and gardens, the SunLight door offers access to light and viewing potential, yet remaining a barrier to intrusion. Jambs and transoms - a mix of strength and mechanical practicality resulting from the high structural technology - bound with discretion the door perimeter leaving more space for the glass which is burglary-proof and certified in accordance with the UNI 9186 Norm.

The lock system wholly completes the door security: a cylinder lock protected by a drill-proof defender, it can also meet the most challenging requirements.



Besides the spring latch, the key also activates two double lateral pins, one on the top and one on the bottom.

A unique characteristic of this mechanism is the European profile cylinder, protected by a cylinder cover made of tempered drill-proof steel - anchored inside of the door - which prevents any manipulation or extraction attempts. This locking system is very effective in cases where the keys are lost because it allows for the easy substitution of the cylinder instead of the entire lock.

In addition the lock can also be equipped with a half cylinder that can be temporarily used on the work area.



special armour-plated doors

Above and beyond assurance and security, Torterolo & Re armour-plated doors offer the most exclusive range. With the variety of special panels for the Silver, Gold and Gold Plus series, Torterolo & Re offers an additional blend of strength and beauty. Various ways to customize your doorway and make it unique can be adapted for old town centres therefore respecting the existing architectural environment.

By choosing from the different options available in special panels, you can satisfy any specific requirement and personal sense of style: an arched door to enhance and enrich the building façade, or decorated bullet-proof glass will add beauty to security and meanwhile providing optimum brightness to the entrance.



Security and beauty are guaranteed



Arched armour-plated doors

Aside from their intrinsic beauty, the arched armour-plated doors, often represent the most suitable aesthetic preference in several architectural environments. These doors are available in the single and double wing model or even with a depressed arched fanlight; the door can have a worked or solid panels, even on drawing.



Doors with decorated bullet-proof glass

The armour-plated door can be enriched with decorated bullet-proof glass that comes in different shapes – square, rectangular, round or even an individually created design – size and drawings. Whatever your choice, security is always guaranteed. You can choose from among the following kinds of glass: VISARM 19/21, Crime-proof Class A (UNI 9186) and Bullet-Proof Class A (UNI 9187).

Decorated glass is made with BLINDOVIS 18/19R, vandalism-proof Class (UNI 9186) and Bullet-proof Class A (UNI 9187).



a r m o u r - p l a t e d

e n t r a n c e s

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The entrance is an essential architectural element which gives the property distinctiveness, beauty and prestige. Torterolo & Re armour-plated entrances can be manufactured according to a great range of customized requirements, reflecting all the aspects of a property's worth. Classical or modern, sober and basic, with elegant bullet-proof glass. These doors can be pleasantly incorporated into any architectural environments. Combining aesthetics with security and a great range of locking systems - the armour-plating comes as a result of specific studies and researches and then manufactured using advanced technology with superior materials.

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Security with style



Tortero & Re entrances are available in a great range of models offering several possibilities.

The first option is represented by the armour-plated door and its external panel which can be chosen from the variety of options contained in the catalogue.

The armour-plated door (with or without fanlight) can also be equipped with different kinds of lateral fixed parts, on one or both sides of the door. Here still, the choice is great because the lateral fixed parts (available in three widths, with jambs from 6 to 10 cm) can be made in bare coated metal, with micalic coating, standard or covered with wood to match the door.

The models without fanlights offer further possibilities: the insertion of horizontal transoms on the lateral glass, which can follow the geometrical theme of the panel you chose.

(Extra standard size on request or on submission of drawing).



a r m o u r - p l a t e d

s h u t t e r s

Total Security



Wing structure

Double warm galvanized steel sheet with vertical internal supports. Fog resistance structure.

From 3 to 5 fixed pins on the hinge side.

Two high-resistance hinges, with gripp resistance bearing adjustable in height. Internal black handle.

Frame and falseframe

Galvanized steel sheet, 20/10 thick thermal coated with outdoor powders (RAL 8014). Adjustable in height and depth. Ring nuts for wing alignment.

Lock system

High security lock.

Pins controlled through a handle. Lock system with security cylinder. Three central lock points, top and bottom pins.

Lock subjected to special corrosion proofing treatment.

Panels

The panels available can certainly conform with several aesthetical and architectural requirements. In fact, the metal structure can be covered with solid wood panels with inclined louver boards (blind like), with vertical staves or with worked panels made up of vertical, horizontal or diagonal staves. All panels are coated for outdoor use with immersion wood painting.



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Torterolo & Re has examined all aspect of security for properties. A complete line of armour-plated shutters can protect even windows and secondary entrances from intrusions. Besides their impeccable aesthetical profile, their

advanced technical structure and their innovative lock systems, Torterolo & Re armour-plated shutters have passed the burglary and breaking tests in accordance with the ENV 1627 Standard, obtaining the Class 2 certification.



P a n e l s



Torterolo & Re armour-plated doors will not only satisfy your need for security and practicality but also your wish for beauty, class and style, thanks to great variety of panels: plain or special, wooden or worked, made of solid wood, lacquered or in wood tint, for internal or external doors.



T-3BU



T-3BD



T-6BU



T-8BU



T-6BL



T-9BU



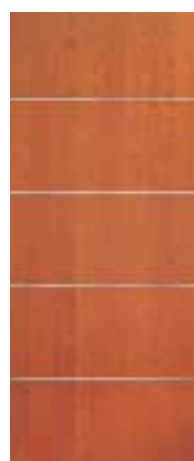
R-CA



R-CD



N-F01



N-F02



R-CA



R-CB



R-CG



P-21B



P-9BU



P-15B



P-8BU



J-CB



N-F03



N-F04



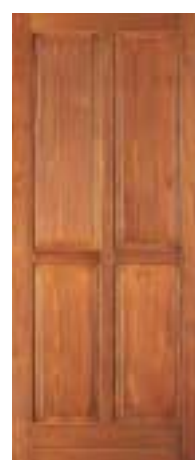
P-3BD



A-UM



A-UD



M-4BD



M-6BU



M-6BL



M-15B



M-8BD

P a n e l s



H a n d l e s

Tortero Tortero & Re also offers a wide variety of handles.

In brass or shiny, mat or bronzed alluminium, black or white coated, they provide ideal combinations with all armour-plated doors.

Their sober design makes it easy to insert them into any kind of environment, matching any style and transforming them from basic accessories into furnishings elements.



M-9BD



M-PER



MAYA



M-4BD/B



M-9BD/B



M-6BD/B



M-9BU/B



M-15B/B



M-21B/B



IM-01



IM-03



M-CB



M-CE



M-CD



M-CF



M-LA



M-LC



M-LF



M-LG



S-3BU/P



S-3BD/P



S-3BD/C



E-450



E-770



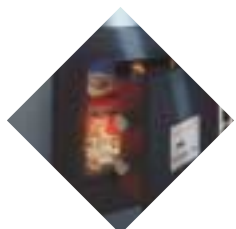
A r m o u r - p l a t e d d o o r s



A r m o u r - p l a t e d e n t r a n c e s



A r m o u r - p l a t e d s h u t t e r s



S a f e s



F i r e - s t o p d o o r s



F a l s e f r a m e f o r s l i d i n g
h i d e a w a y d o o r s



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