

# COBALT

BULLETPROOF  
PRODUCTS



Architect: J.-L. Bonnet  
Photography: Serge Demailly

IMAGINE WHAT'S NEXT





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## COBALT

/ THE SECURITY SOLUTION

Cobalt high-security products cater to buildings with high risk potential such as detention centres, courthouses, police stations, prisons, barracks, banks, strategic sites (nuclear and others), etc. as well as so-called sensitive areas: jewellery shops, motorway toll stations and prisoner areas in hospitals.

These security requirements have led Technal to develop a range that meets the highest demands of this market in accordance with the European standards EN 1522 and 1523.

The Technal range's defining feature is the possibility of installing aluminium or steel armour-plating inside door sections, fixed panels, sliding doors and curtain-walling.

This means that Technal's COBALT range offers great flexibility when choosing the level of security, without sacrificing the original choice of joinery. Thus, the ballistic classification levels range from FB2, FB3 to FB4 for aluminium armour-plating, and FB5, FB6 for steel armour-plating.



Photography: DR Technal

# COBALT

/ BULLETPROOF PRODUCTS

COBALT SLIDING DOOR



COBALT DOOR



## KEY FEATURES

### COBALT SLIDING DOOR

- 2-rail 150 mm outer frame for 2 or 3-leaf sliding doors.
- Rebated stainless steel rail.
- Double stainless roller bearings, easy opening, durable construction.
- Up to 300 kg per opening frame.
- Thermal break profiles.
- Integration with a fixed frame using linking mullions.

### SEVERAL TYPES OF LOCKING SYSTEMS

- Pull handle.
- Central key-operated lock.
- Multipoint lateral lock.

### MINIMUM DIMENSIONS

- 2 leaves: W = 977 mm
  - 3 leaves: W = 1375 mm
- Minimum width per opening frame: 492 mm  
If there is a multipoint closure system:  
minimum height = 850 mm

### COBALT DOOR

- Articulation via 3-part hinges.
- Fixed using inserts.
- Lining with an off-centred axis, possible continuous adjustment of the perpendicularity.
- 3-part hinge with integrated bearing stop: easy to open.



### WEATHER PERFORMANCES

- Double barrier of gaskets on three sides.
- Threshold at the bottom and double strip gasket.





## PERFORMANCE AND SECURITY

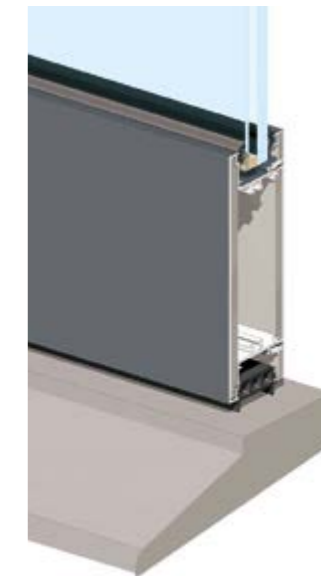
### COBALT SLIDING DOOR

- Extremely high ballistic performance.
- Adaptable armour-plating, steel or aluminium sections.
- Infills from 39 to 61 mm, for larger sizes please contact us.
- Frame with a thermal break to meet thermal regulation requirements.



### COBALT DOOR

- Extremely high ballistic performance.
- Adaptable armour-plating depending on the location, steel or aluminium sections are available.
- Maximum dimensions for a door:  
H = 2.35 m, W = 1.20 m.  
Maximum weight of 240 kg with double cage profile.
- Glazing infill from 17 to 66 mm.



## SCALABLE ARMOUR-PLATING

### COBALT SLIDING DOOR

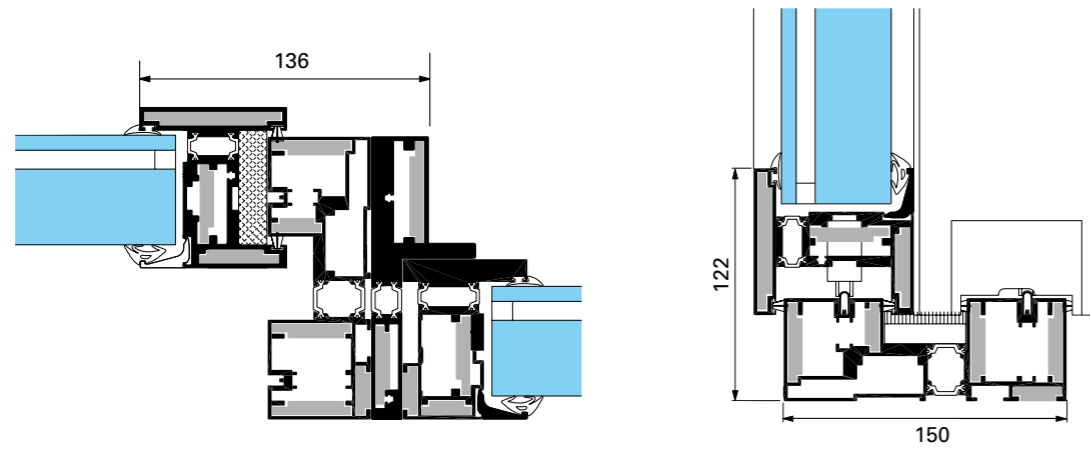
- Single or double row of armour-plating in steel or aluminium integrated into the outer or opening frame.
- Armour-plating designed to stop incident fire (angle shots in the double glazing inserts) in accordance with EN 1522 and 1523.

### COBALT DOOR

- Single or double row of armour-plating in steel or aluminium integrated into the outer or opening frame.
- Complete armour-plating of profiles or up to man-height only.

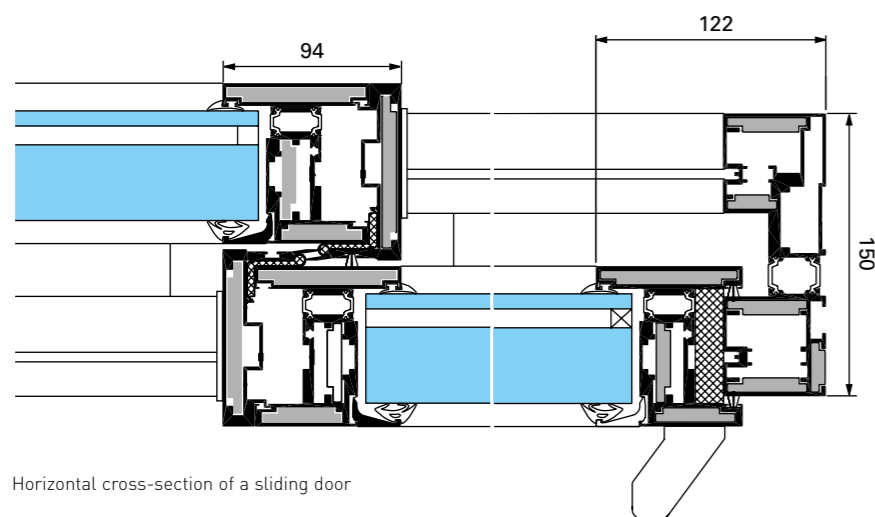
# SECTIONS

## COBALT SLIDING DOOR



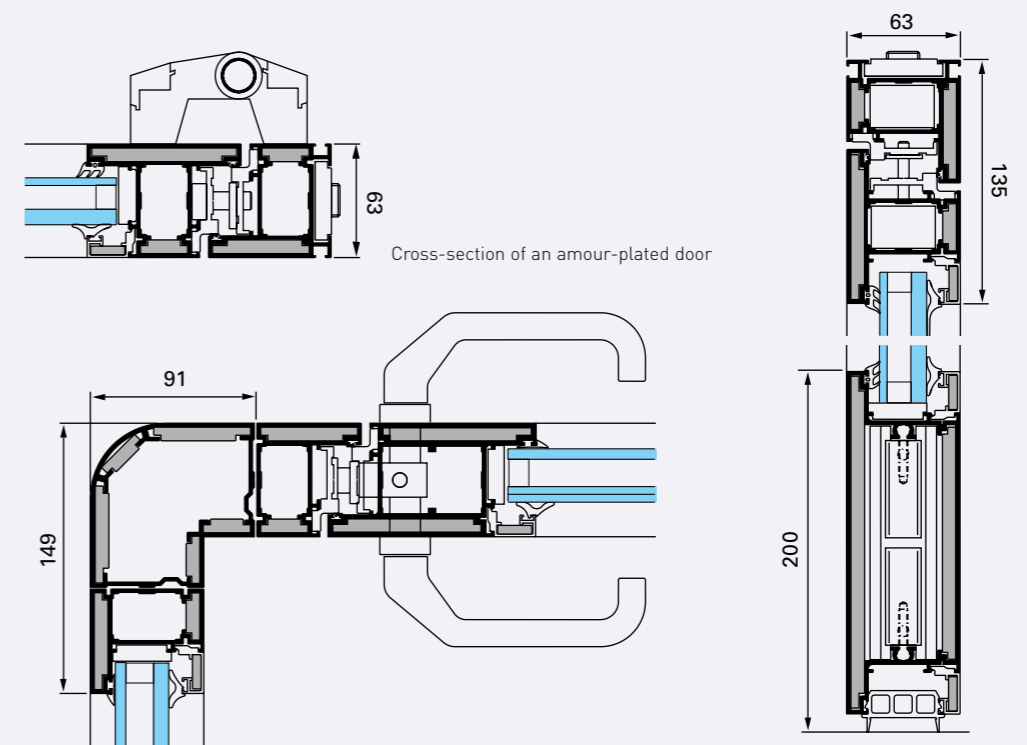
Horizontal cross-section of a sliding door and side fixed light

Vertical cross-section of a sliding door



Horizontal cross-section of a sliding door

## COBALT DOOR



Cross-section of an armour-plated door

Cross-section of an armour-plated airlock

# PERFORMANCE

## COBALT SLIDING DOOR

(in accordance with standards: NF EN 1522 and 1523)

BALLISTIC PERFORMANCE			
Class	Sliding door	Fixed panel/ connector	Armour-plating
FB3 revolver (357 Magnum)	✓	✓	Aluminium
FB4 revolver (357 and 44 Magnum)	✓	✓	Aluminium
FB5 assault rifle (5,56)	✓	✓	Steel
FB6 assault rifle (5,56), and gun (7,62)	✓	✓	Steel

WEATHER PERFORMANCE: A. E. V (A: Air, E: Water, V: Wind)				
Sliding door	Air permeability	Water tightness	Wind resistance	Record no.
2 armour-plated leaves W: 1,51 m x H: 1,31 m	Class 3	Class 7A	Class A3	Certificate CEBTP E213.3.070/1

## COBALT DOORS

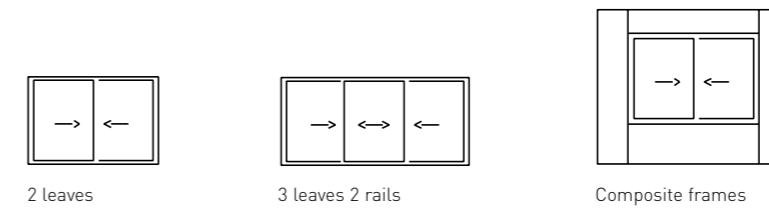
(in accordance with French and European standards: NF EN 1522 and 1523)

BALLISTIC PERFORMANCE		
Class	Door + airlock	Armour-plating
FB2 automatic pistol (9 mm)	✓	Aluminium
FB3 revolver (357 Magnum)	✓	Aluminium
FB4 revolver (357 and 44 Magnum)	✓	Aluminium
FB5 assault rifle (5,56)	✓*	Steel
FSG shotgun (12/70)	✓	Aluminium

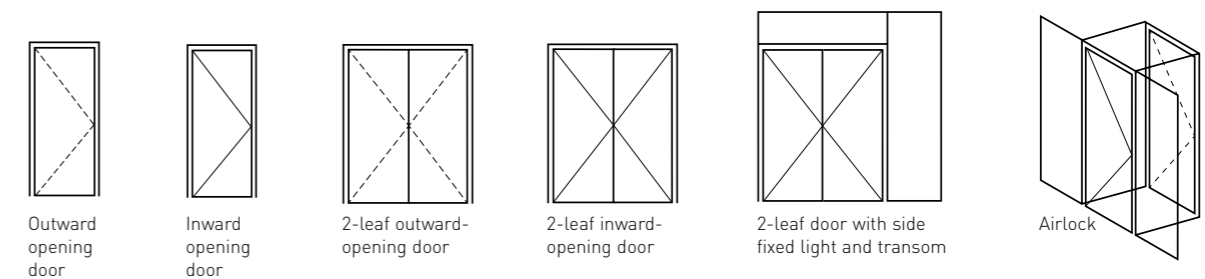
\* 1-leaf door only

# APPLICATIONS

## COBALT SLIDING DOOR



## COBALT DOORS





IMAGINE WHAT'S NEXT

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By  Hydro