



Co170

ARMORED WALL

BURGLAR PROOF GRADE 2

ACCORDING TO UNI EN1143

Steel Panel Modular System with
reinforced frame and tear-proof rods.
High security solution.

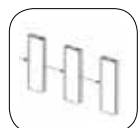


MODULAR STEEL PANELS WITH BURGLAR PROOF CERTIFICATION

Armored wall made up of modular steel panels (interlocked with each other), easy to install, solid, ultra-resistant.

HIGH SECURITY WALL

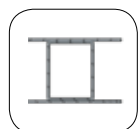
Designed to provide high resistance to burglary, the frame has 4 tear-proof rods.



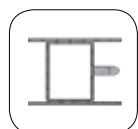
MODULAR ARMORED PANELS



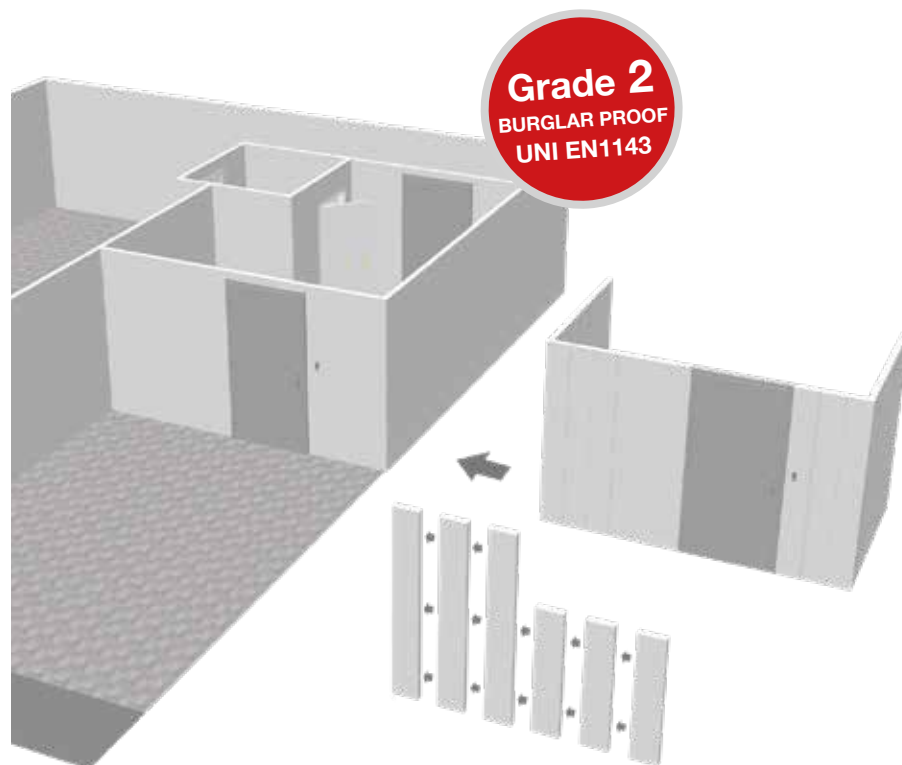
BURGLAR PROOF GRADE 2 CERTIFICATION



"U" PROTECTION PROFILES



REINFORCED ANCHORAGE RODS



	DimensionS WxDxH (mm)	Single Panel Weight	Weight/SqM
Standard	340 x 86 x 2700	58 Kg	72 Kg

On demand: custom panels and specific solutions

Co170 Armored Wall: system description

This Armored Wall, typically intended for the protection of Bank Agencies "safe areas", where Safes and ATMs are located, is made up of a modular system of steel panels that flank one another and fit together.

Each panel has a **standard width of 340 mm** and fits into the next one for 40 mm. That means, when installed, each panel will have a **visible width of 300 mm**.

ATM AREA

The modular panels are adapted to the different ATM models in the ATM housing. The Co170 panels are also customized to fit the insertion of **armored doors model CoMETA Co155** (classified RC4 according to EN 1627) for Safe area access control.

WALL FINISHED

In some cases, in order to make the application more homogeneous to the surrounding context, the armoured wall (on the side visible to the public) is covered with masonry or plasterboard wall and then painted with the same color of the surrounding masonry. A choice aimed at making it impossible to distinguish the armoured wall from the brick one.

“ A modular armored wall with protection profiles and 4 internal tear-proof rods.



BURGLAR PROOF CERTIFIED STRUCTURE

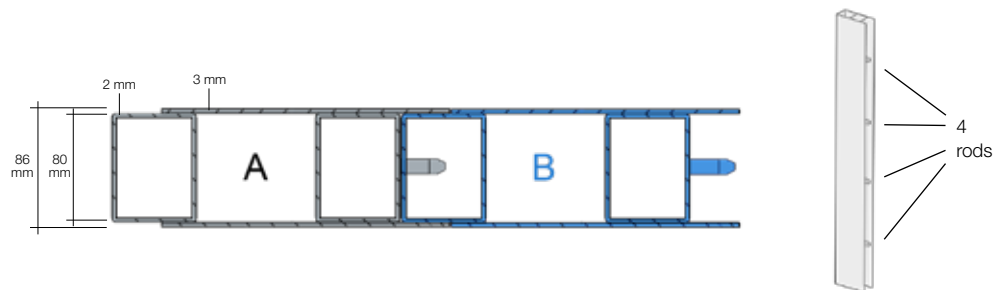
Wall designed to provide high resistance to burglary, and certified by *Istituto Giordano* according to UNI EN 1143-1 (for safes, ATMs and armoured rooms), obtaining class 2 burglary resistance.



ULTRA-RESISTANT MODULAR PANELS

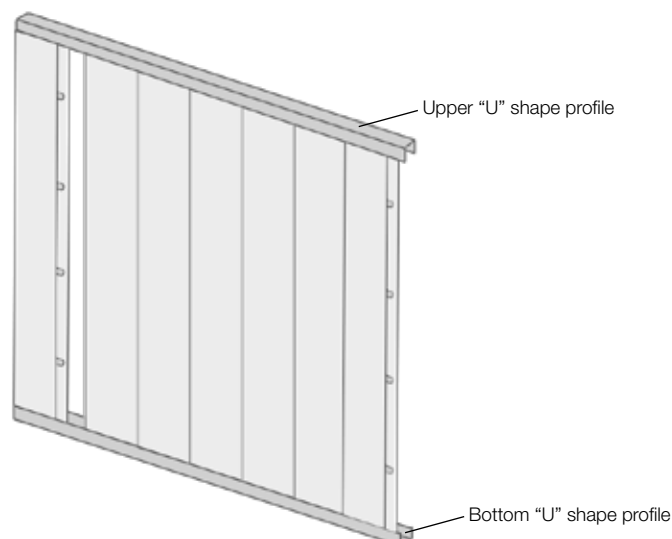
Each panel is W340 * D86 * H2700 mm, 58 Kg, with a body composed of 2 square profiles (2 mm thick) covered with 3 mm thick steel sheets on the front side plus 3 mm on the protected side. Each panel is reinforced by 4 internal tear-proof rods.

Frames designed to create a **“U” shape joint** with 3 mm thick protection profiles (for the total height of the panel). The “U” shape joint is 40 mm deep (one panel overlaps the next one). Each Panel (A) has **4 equidistant tear-proof rods** to be inserted into 4 holes located in the next panel back side (B) creating a solid interlocked system. Each panel is assembled using *continuous wire welding* for the frame and *spot welding* for the cladding sheets.



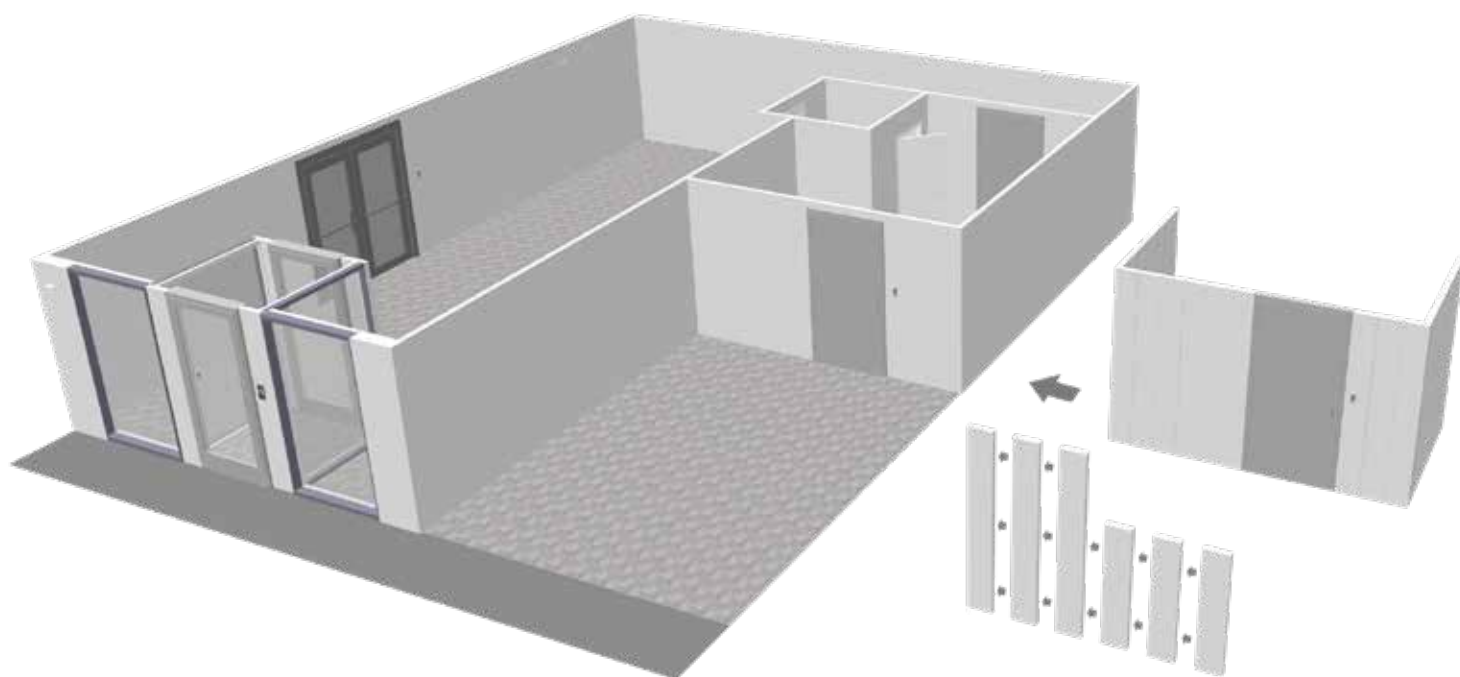
FLOOR AND CEILING ANCHORAGES

Additional anchorages, **on the floor**: 6 mm thick “U” shape rail profile. The rail profile is fixed to the floor by chemical anchoring. **Upper anchorage**: 6 mm thick “U” shape rail profile, fixed to the main frame or ceiling with screws (not visible) to be screwed inside the “U”.



PANEL STRUCTURE

Each panel is made up of 3 mm thick external steel sheets (one on the front side and one on the protected side) and n. 2 square profiles (2 mm thick with dimensions W 80 * D 60 mm). Each panel has 4 internal tear-proof rods, ready to be inserted on the next panel.



Co170R (reinforced)
with special steel profiles
and plasterboard panels
on the front side.





Products application

Armored Wall Co170 with
Armored Door Co155
installed on
Self-banking Areas



Co155 Armored door

ARMORED DOOR RC4 CERTIFIED (UNI EN1627)

Iron structure, armored with 25 x 25 mm internal structural tubulars (2 mm thick) and external steel layers (3 mm thick). Professional Lock with 11 locking-points.

HIGH PROTECTION
ARMORED DOOR
Born to be solid, with burglar proof high grade certification.



ARMORED
STRUCTURE



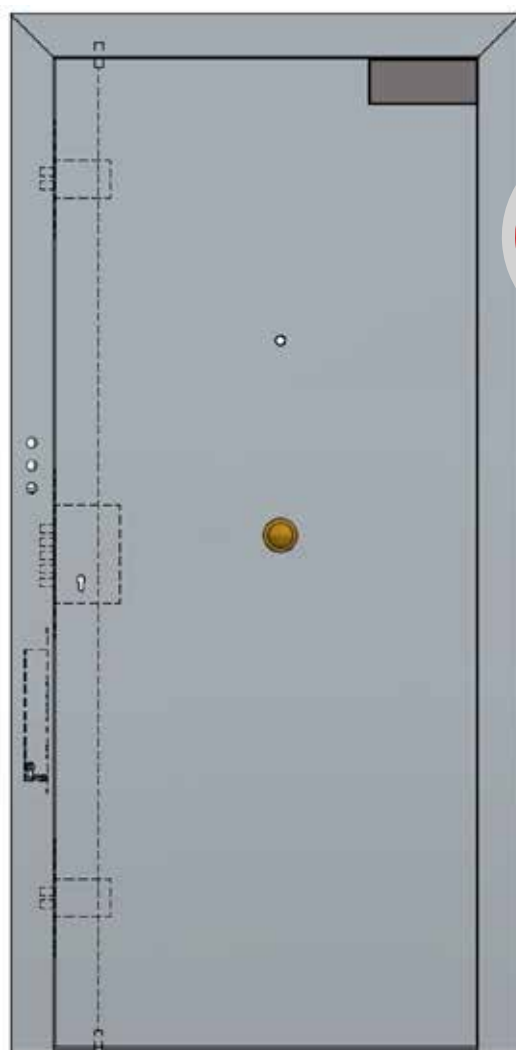
BURGLAR PROOF
RC4 GRADE
CERTIFICATION



11 LOCKING POINTS
PROFESSIONAL LOCK



PROFESSIONAL
ELECTRIC LOCK
(optional)



12 Locking-points (Professional Lock with 11 locking points + Extra Security Lock)

Security Locks with top burglar-proof level: class 7.

Profiles: 20/10 galvanized steel. Embossed finish: RAL colors.

Co155 armored door allows to control the ingoing / outgoing from limited access areas. The possible ways are:

- Go in with electronic key and mechanical key (lock)
- Go out using the emergency push-button
- Go out using the mechanical lock (with European profile cylinder)

Co155 Armored door versions:

	Door dimensions	Frame dimensions	Net Passage	Structure	Security Locks	Weight
Co155.001	W 910 x H 2110mm	W 1080 x H 2195 mm	W 880 x H 2100 mm	20/10 galvanized steel (4 mm)	11 closing points lock + 1 closing point lock (on request)	180 Kg
Co155.003	W 970 x H 2110 mm	W 1050 x H 2170 mm				

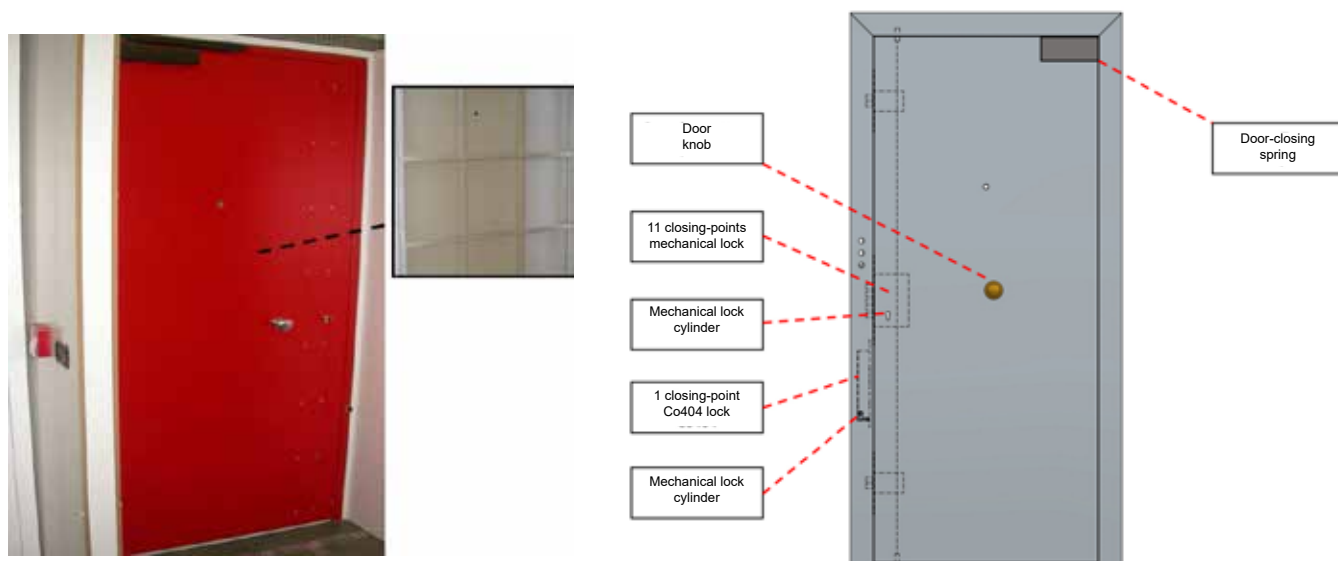
Net passage is always measured with the door open at 90°, even in cases where the door can be opened at 180°.

EQUIPMENT

- N. 1 mechanical lock with 11 closing points with $\varnothing 18\text{mm}$ bolts (top burglar-proof level, certified according EN12209) of which: 5 central bolts, 2 on lower area, 2 on upper area, 2 extra expansion bolts, one down and one up;
- N. 1 security electric lock Co404 with $\varnothing 18\text{mm}$ bolt (on request, mounted on door frame)
- N. 1 bolt status sensor for the electric lock
- N. 2 door knobs
- N. 1 door-closing spring
- N. 1 cylinder with European profile (class 6-2 UNI EN 1303) with class 4 UNI EN1906 protection defender (on mechanical lock with 11 bolts)
- N.1 cylinder with European profile (class 6-2 UNI EN 1303) with protection defender (on 1 bolt lock, optional)
- N. 1 built-in alarm buzzer, 80dB high volume (optional)
- N. 1 built-in electric key reader: KeyBit, Key Dallas (optional)
- N. 1 integrated or external traffic light panel (optional)
- N. 1 peephole (optional)

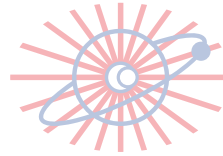
FEATURES

- Opening mode: inwards or outwards, with concealed hinges and anti-tearings, right / left hand (optionally)
- Removable access panel (inside) for inspection and maintenance
- 4 mm thick sheet steel (painting and galvanizing antioxidant treatment)
- Ready for: closing door checking sensor
- Ready for: extra mechanical lock CoMETA Co404N or Co404I (optional)
- Operating temperature: from 0° to $+40^{\circ}\text{C}$
- RC4 grade burglar proof certification according to UNI EN 1627 (the certification is valid even without the extra mechanical lock Co404 series)



REAL APPLICATIONS: SAFE AREAS - Co170 ARMORED MODULAR PANELS AND Co155 ARMORED DOOR





Armored Wall: certified Grade 2 by *Istituto Giordano* according to normative UNI EN 1143-1:2012 (for safes, ATMs and armored rooms).

Armored Door: certified RC4 by *Istituto Giordano* according to normative UNI EN 1627: 2011 (on requirements for the burglar-resistance properties of doors, pedestrian doors, windows, curtain walls, railings and swing locks. It applies to the following types of openings: rotational, tilting, folding, ro-to-translation, suspended above or below, sliding (horizontally or vertically) and coiling, as well as fixed structures.



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