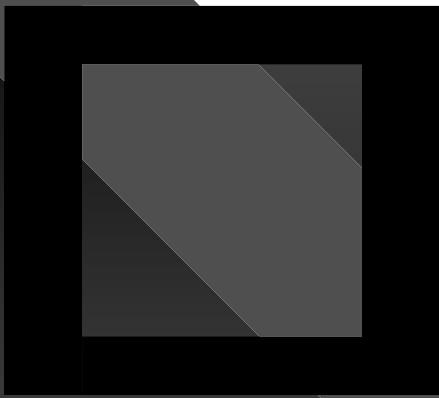


MODUL LTD

Russian manufacturer of
armored systems



About us

Company "OOO MODUL LTD" carries out the full scope of works including design, production and mounting of protective armoured structures in the following directions:

- delivery of bullet resistant and explosion proof structures for high-security objects of the Ministry of Defense and Federal Security Service of the Russian Federation, as well as for security agencies and major banking institutions;
- production of explosion and fire proof systems for the State Atomic Energy Corporation (ROSATOM), oil and gas industry, petrochemical industry as well as for other industrial facilities;
- design of burglar proof vaults, cash operating units and offices.

We look forward for long-term and effective cooperation with you!

With best regards OOO MODUL LTD.



ARMOURED TURRET (WATCH STATION)

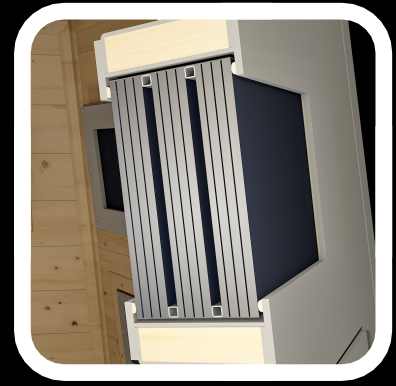


The armoured turret is intended for protection of the persons staying inside against small arms and fragmentation grenades. This is essentially a complete steel module looking as a truncated hex pyramid.

The module is installed on the ready-made concrete base in secured areas of special, high secured and strategic facilities.

Sliding fire openings for defense fire

Multilayer armoured glazing



Armoured door and antiricochet finishing of armoured turret



Armoured turret



Overall dimensions:

- length: 2400 mm;
- width: 2080 mm;
- height: 2100 mm.



Technical characteristics:

- bullet resistance class - Бп5 (GOST P 51112-97);
- fire- resistance - IV;
- structure category - II;
- service life - 10 years;
- assembled weight - 2950 kg.



Класс защиты БР-5



Защита от винтовки СВД
Патрон с пулей повышенной пробиваемости
7,62x54 ПП (7Н13)

Watch tower



The watch tower is a seismic-resistant three-dimensional prefabricated welded structure consisting of a watchman cabin and one or two base frames.

To provide observation, the watchman cabin is equipped with a panoramic glass unit. To conduct defense fire, it is equipped with fire openings with expanded angle of fire.

Application:

- Secured areas;
- High-security facilities;
- Fuel and energy facilities;
- Counterterrorism.

Watchman cabin (top level)



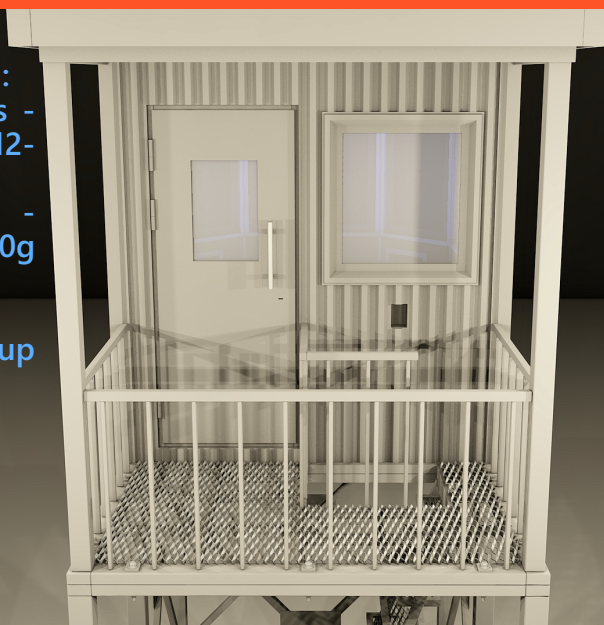
The armored watch tower is intended for installation on the security perimeters and high-security objects to provide proper observation of the surrounding territories and detection of potential enemy.

Technical characteristics:

- bullet resistance class - Бр3...Бр5 (GOST P 51112-97);
- explosion resistance - outside explosion (500g of TNT);
- fire-resistance - IV;
- seismic-resistance - up to 8.

Overall dimensions:

- length - 3500 mm;
- width - 2400 mm;
- height - 7400 mm.



Armoured watch tower.
General view



Класс защиты БР-4

Защита от автомата АК74

Патрон с пулей повышенной пробиваемости
5,45x39 ПП (7Н10)



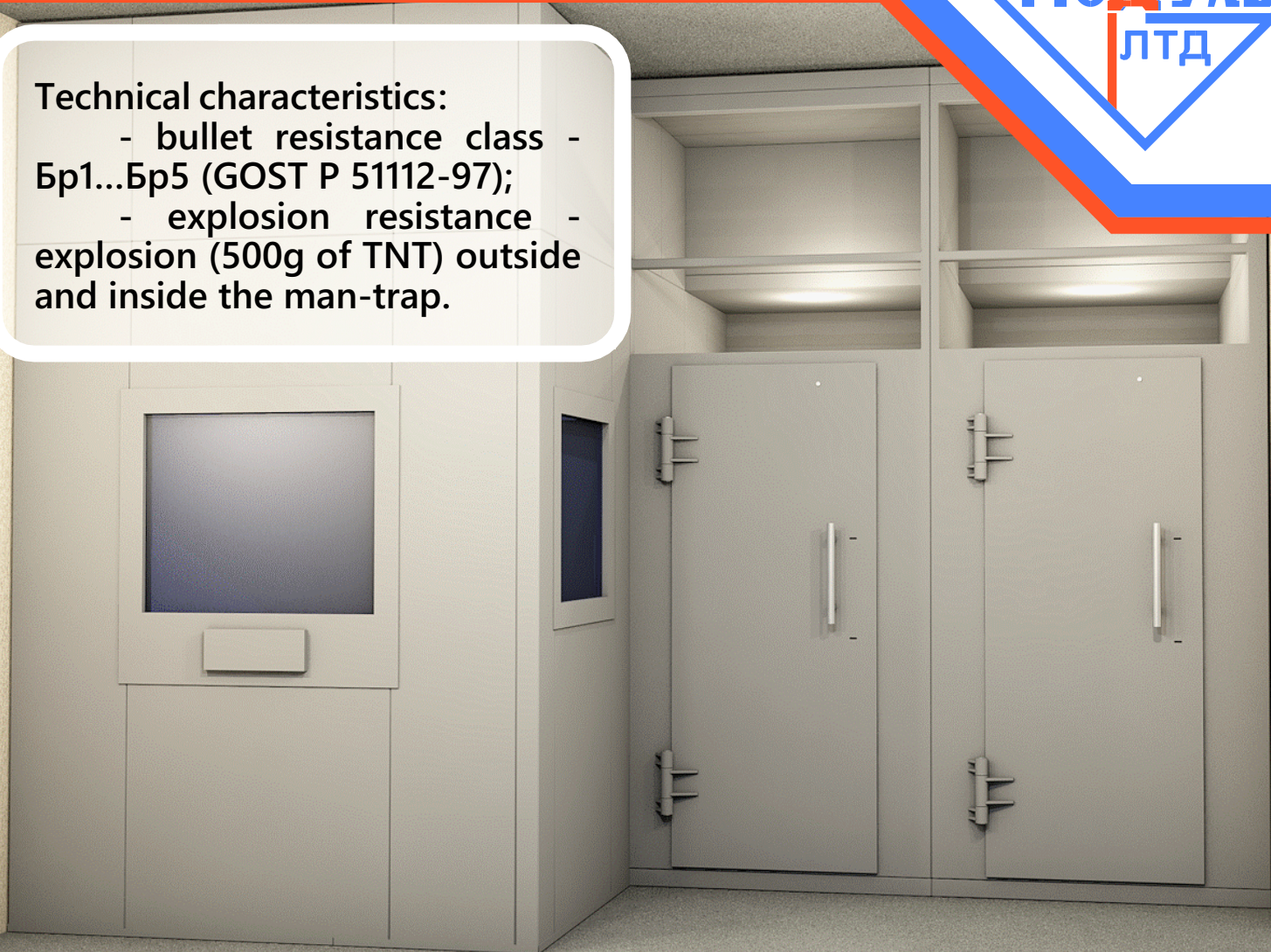
All the Company,s products undergo relevant tests and meet the security requirements and standards. All the products undergo the required certification.
www.modul-ltd.ru info@modul-kovrov.ru

Explosion and bullet resistant protective system



Technical characteristics:

- bullet resistance class - Бр1...Бр5 (GOST P 51112-97);
- explosion resistance - explosion (500g of TNT) outside and inside the man-trap.



The product composed of the module-type elements allows to form the structure of any configuration. It may include single or several man-traps (for the personnel or customers passing) and a neighbouring watch post cabin.





The protective system is delivered in set with transfer units, for documentation handover and armoured windows of corresponding bullet resistance class.

Application:

- Secured areas;
- High-security facilities;
- Technical resistance against burglary;
- Fuel and energy facilities;
- Counterterrorism

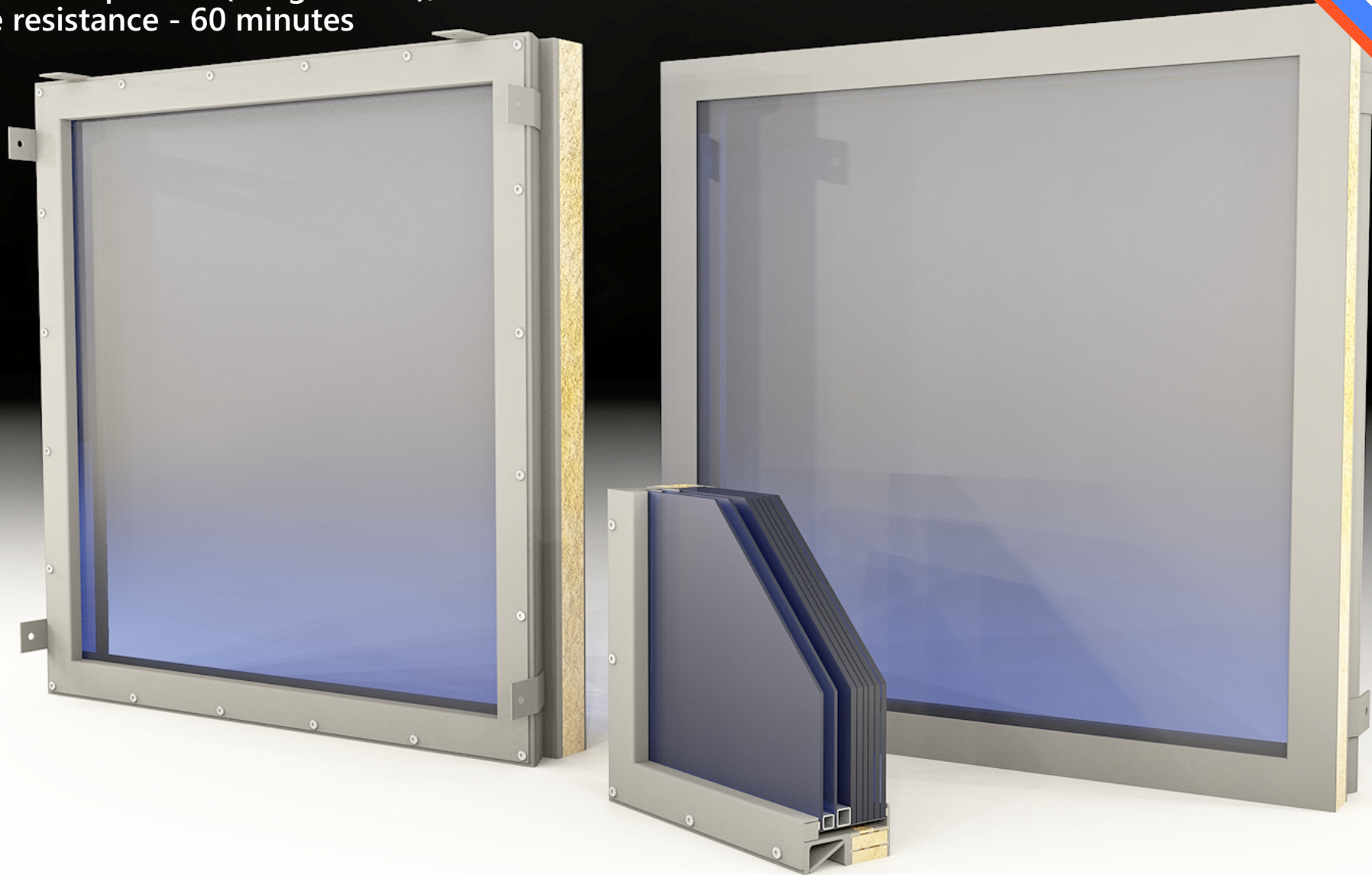


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Technical characteristics:

- bullet resistance class - Бр1...Бр4 (GOST P 51112-97);
- explosion resistance;
- outside explosion (500g of TNT);
- fire resistance - 60 minutes

Explosion and weather
resistant window units

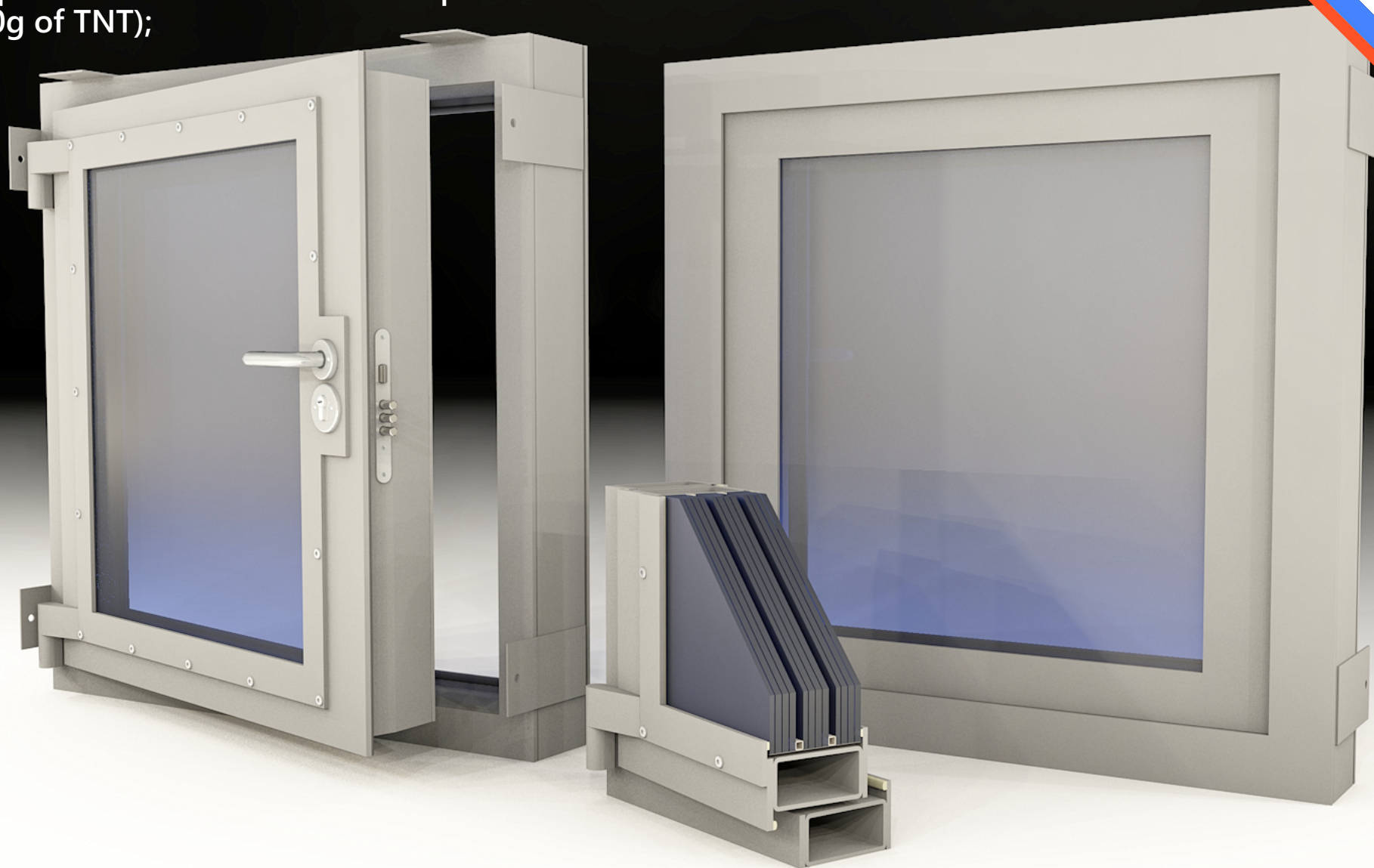


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Technical characteristics:

- bullet resistance class - Бр1...Бр4 (GOST P 51112-97);
- explosion resistance - outside explosion (500g of TNT);

Armoured window units



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This product provides protection of bank operational cash offices and currency exchange offices against illegal infiltration



Doors with impact resistant glasses

Shock resistance - endures
50 - 70 axe blows Bullet
resistance glass - up to Bp2
(GOST P 5112-97);





The russian
manufacturer
of protected constructions

Steel armor

BOOTH OBSERVER
(THE GUARD POST)



The product is formed from elements of modular design in any configuration.

Module features:

Bullet resistance – from probes unit 1 to BR 6 according to GOST 51112-97.

Resistance to explosion – 500g of TNT outside.

Class responsibility II.

The fire resistance class IV.

Operation inside buildings and structures at the NF-4 (GOST 15150-69).

For use at the UHL-1 (GOST 15150-69) the product is equipped with additional insulation of walls and ceilings.



Applications:
The anti-terrorism,
Strengthening of buildings
Sensitive sites with a
compartmentalized
clearance,
Protected areas,
Energy companies



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We cooperate with:
The Federal security service of RF,
Ministry of internal Affairs,
largest financial structure

All products are passes required tests
and meets the requirements and
safety standards.
All products are certified.



The russian
manufacturer
of protected constructions

Steel armor

BOOTH OBSERVER

Characteristics of the armored covers:

Bullet resistance — from probes unit 1 to

BR 6 according to GOST 51112-97

An instance of the photo — БР4 (Kalashnikov automatic rifle with cartridges of 5.45 and 7.62 mm., thermal hardening of the steel core)

Resistance to explosion — the explosion of 500 g TNT on the outside

Class responsibility II

The fire resistance class IV

Temperature group — UHL1 GOST 15150-69

Dimensions — according to customer's requirement (photo 2200x1900x2500 mm; weight — 2350 kg)

Equipment basic configuration:

Lighting

Forced ventilation

The door sensor

Alarm

Splinter finish



Класс защиты БР-4

Защита от автомата АК74
Патрон с пулей повышенной пробиваемости
5,45x39 ПП (7Н10)



Applications:

Strengthening of buildings,

Protected areas.

Structural features:

Steel module in the form of a hexagonal pyramid;

Transport and installation as soon as possible;

The possibility of doing a pie fight.



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The russian
manufacturer
of protected constructions

Steel armor

EXPLOSION RESISTANCE PROTECT
COMPLEX "MODULE 500 BB"

Test explosion



Package contents:

Comes complete with transfer nodes that are gateways for the transmission of values, armored windows of the corresponding class of bullet resistance.

It is possible to manufacture in the form of detached construction with the organization of the roof and outer decorative wall panels.

The product is formed from elements of modular design in any configuration and consists of one block or from several security booths for the passage of staff (or visitors) and the adjacent cabins guard post.

Module features:

Bullet resistance – from probes unit 1 to BR 6 according to GOST 51112-97.

Explosion resistance – the explosion of 500g of TNT on the outside and 500g of TNT inside the security booth.

Class responsibility II.

The fire resistance class IV.

Operation inside buildings and structures at the NF-4 (GOST 15150-69).

For use at the UHL-1 (GOST 15150-69) the product is equipped with additional insulation of walls and ceilings.



Applications:

The anti-terrorism,
Strengthening
of buildings
Sensitive sites
with a clearance,
Protected areas,
Energy companies



*Installation of
entrance group building
The Federal security service
(Moscow, Lubyanka)*

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The russian
manufacturer
of protected constructions

Pool-explosion-break-fire resistance
window in the warm
steel block



Installation of armored unit company
the object of oil and gas
infrastructure (energy)



FEATURES PROTECTIVE WINDOWS:

Bullet resistance — from unit 1 to
BR 5

Resistance explosion — 200 kPa air
shock wave

Fire resistance — 60 minutes

Warm, armored profile, covered
weatherproof enamel



Класс защиты БР-5

Защита от винтовки СВД
Патрон с пулей повышенной пробиваемости
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MODUL LTD

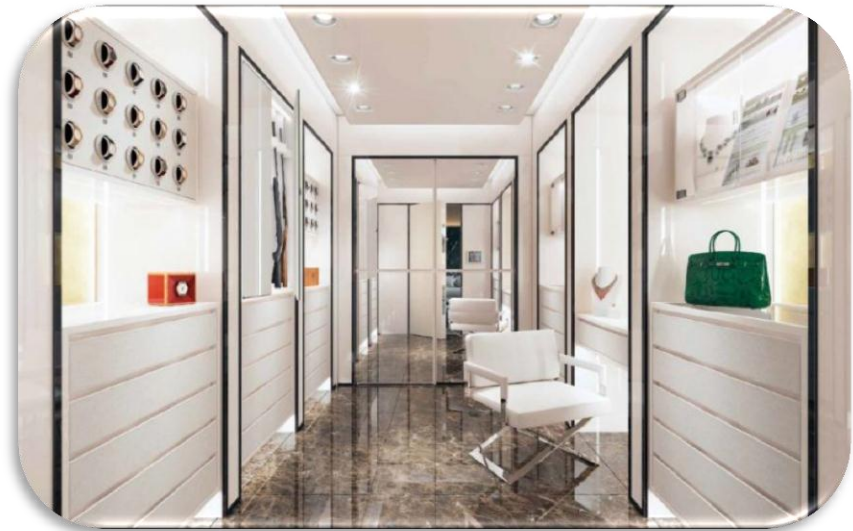
**Russian manufacturer
of armored systems**

**Bank Technical Resistance
Against Burglary**

ABOUT US

ООО “MODUL-LTD” company manufactures, installs and services the elements of technical resistance against burglary.

The products design provides protection against unauthorized entries, hand weapons and other criminal offences.



○○○ “MODUL-LTD” manufactures:

- 1) Banking areas:
 - cash cabinets;
 - safe areas;
 - vault areas;
- 2) Armoured doors;
- 3) Framed bullet resistant glasses;
- 4) Burglar-proof safes and passboxes.

CASH CABINETS

Usually each banking unit has a cash cabinet for cash banking operations (money receiving and handing-over, taking charge of money keeping, etc.).

The cash cabinet includes the following elements:

- bullet resistant door and glass;
- armoured screen with transfer unit;
- cash collecting passbox;
- module armoured panels.

Module
armoured
panels

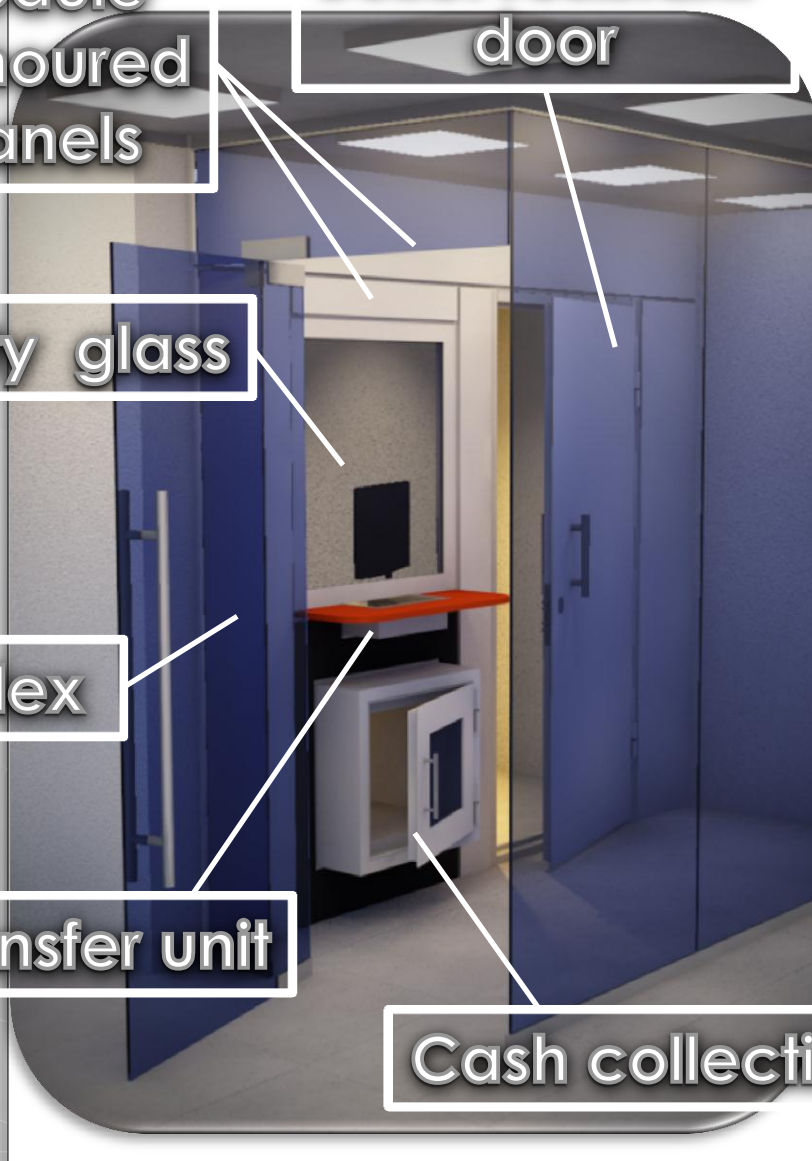
Bullet resistant
door

Safety glass

Triplex

Transfer unit

Cash collecting box



SAFE AREAS

Safe area is intended for keeping jewellery, security papers and large amounts of money.

The safe area produced by the MODUL-LTD company is a module system consisting of armoured panel and auxiliary safety elements.

At the safe area entrance there is an armoured safety door having burglary resistance class II and III.



Burglary resistance
class H0 ... III

Module
armoured
panels

Lattice door

Bullet resistant door

Concrete armoured
panels (Class VII)



Burglar-proof safety
door (Class VII)

VAULT AREAS

Vault area is a burglar resistant banking area protected against unauthorized entry, where individual boxes for safety keeping items of value.

According to the requirements of the Central Bank of Russia the vault safety elements must have burglar resistance class V ... VII.

ARMOURED DOORS

The MODUL-LTD company produces armoured doors of the following classes:

burglar resistance
Class H0... VIII

bullet resistance
Class Bp1... Bp5

explosion resistance
Class BB1

fire resistance
Class EI15...EI60

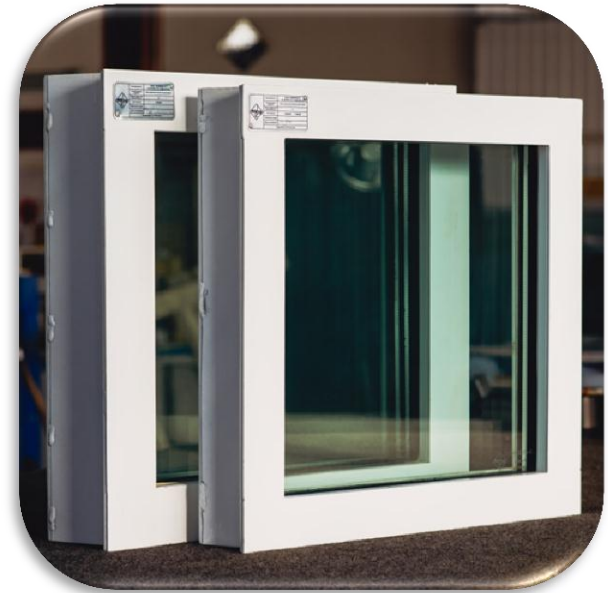


FRAMED BULLET RESISTANT GLASSES

BULLET RESISTANT GLASSES provide safety of personnel and customers of financial and credit centers.

The MODUL-LTD company produces safety glasses of the following classes:

- bullet resistant glasses (Class Бр1... Бр5);
- fire resistant glasses (up to Class EI90);
- burglar resistant glasses;
- impact resistant glasses



Класс защиты БР-4

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MODUL LTD



Burglar-proof safes
and passboxes

burglar resistance
Class H0... VIII



bullet resistance
Class Бр1... Бр5

