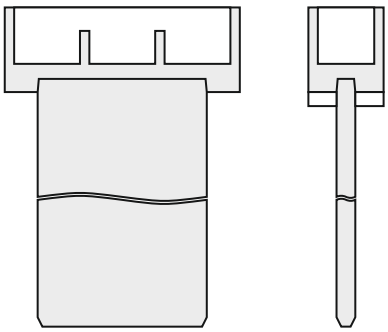
IBIPC
INSTITUTE OF BLAST & IMPACT PROOF CONCRETE
MADE TO SAVE YOU

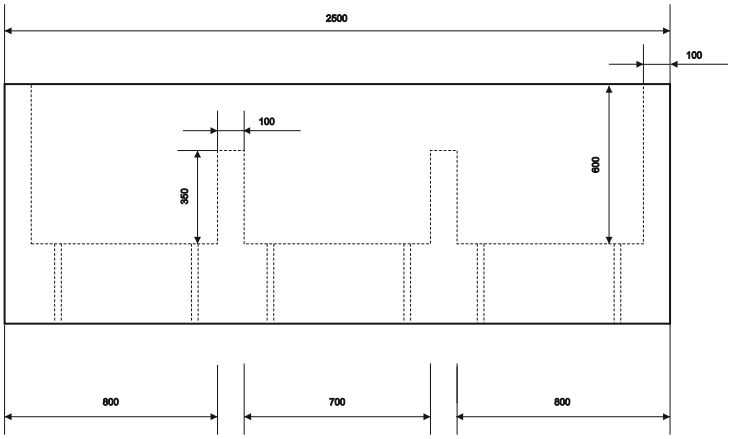
CATALOGUE SHEET

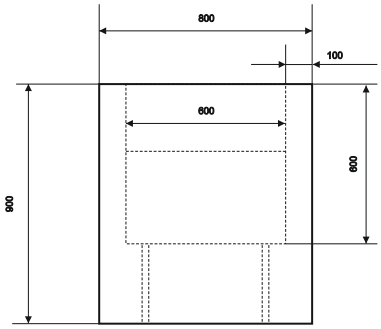
BALLISTIC CONCRETE FLOWER BOXES.

To strengthen the defence of the inner perimeters of military and civilian airports, protection of foreign embassies, public administration buildings, access roads to urban centres, defence of critical infrastructure, both military and civilian.

IN LIGHT, HEAVY AND TRUCK







Either freestanding only the top part of the element, or placed on a plate based in the ground. The combination of the two parts, designed according to an explicit numerical simulation, has the ability to restrain the impact of a 20t truck driving at 100km/h.

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STANAG 2280:2016

NATO - STANAG 2280 : 2016 STANDARDS.

BY NATO - ATP-3.12.1.8 TEST PROCEDURES AND CLASSIFICATION OF THE EFFECTS OF WEAPONS ON STRUCTURES

STANAG 2280, Ed. 2.

Classes of Resistance: A3, C4, D6 for element wall thickness 100 mm.
Classes of Resistance: A5, C4, D6 for element wall thickness 200 mm.

Severity of Effect (level)	A Projectiles	B Direct Fire Warheads	C Indirect Fire Munitions	D High Explosive (TNT Eqvt)	E Moving Vehicles
6.	**Automatic canon** 30 mm APDS	**Advanced ASM** Anti Structure Munitions	240 mm Rocket	≤ 50 kg	Tracked Vehicle
5.	**HMG** 14.5 mm (0.57)	**Tandem ASM**	155 mm Mortar 122 mm Rocket	≤ 10 kg	Large Truck ≤ 32,000 kg
4.	**HMG** 12.7 mm (0.50)	**Anti-personel** Thermobaric conventialcharge < 2.5 kg	120 mm Mortar 107 mm Rocket	≤ 2 kg	Truck ≤ 7,500 kg
3.	**Assault / Sniper Rifle** 7.62 mm AP	**Anti-tank** Shaped charge	82 mm Mortar	≤ 1 kg	Small Truck ≤ 2,500 kg
2.	**Assault Rifle** 5.56 - 7.62 mm Ball	**40 mm Rifle grenade** shaped charge	60 mm Mortar	≤ 0.5 kg	Passanger Car ≤ 1,500 kg
1.	**Pistol**	(reserved)	Hand grenade	≤ 0.1 kg	Motorcycle

TECHNICAL DATA.

Construction characteristics

Volume of Flower Box	1,00 m^3
Volume of Basic plate	0,97 m^3
Specific weight	2,50 t/m^3
Weight of Flower Box	2,50 t
Seating area	2,00 m^2
Load per m^2	1,00 t
Element surface	5,94 m^2

Capability

- Anchoring the element to any ground.
- Mounting elements in a linear row or to create a chicane.