



DARTEK IA-K47

Kalashnikov weapon-resistant doors and partitions

A range of doors and partitions – as well as shielded windows – which are able to withstand Kalashnikov attacks.

There is increasing concern about the Kalashnikov attacks, and whilst no European standards currently apply to these weapons, Fichet has conducted own rigorous tests in an independent and accredited laboratory to provide the DarTek IA-K47 security doors and windows, a new solution to protect against kalashnikov attacks. Indeed, it turns out that this weapon is fairly easy to find especially through arms trafficking. The Kalashnikov is highly prized by terrorists and the level of perforation varies according to the type of ammunition used. The most widespread and most perforating are the FMJ / PB / FeC (PS Ball or MSC: Mild Steel Core) ammunition; This 7.62 x 39 M43 projectile corresponds to protection level 6 of the international standard VPAM APR 2006d.

Thus a ballistic resistance tested on the assembly glazing and joinery is essential in the choice of the doors and the windows to be installed. DarTek IA-K47 is built on a 92mm aluminum profile that integrates additional shielding to resist the impact of PS Ball or MSC balls as well as FB6 level ammunition. The range is available as a 1 or 2 leaf door version, with an opening on the outside or inside, as a fixed partition or as a window versions and can be offered with a shielded opaque filling.

All models are provided as thermally-insulated security version to comply with the European Directive aiming to reduce energy consumption.

DARTEK IA-K47

Material

Framework	Extruded aluminium with polyamide thermal break profile in combination with steel armour
Infill	Laminated security glass or solid infill made of an aluminium panel on the attack side and white colour laminated on the secure side
Finish	Powder coat to RAL 9010, 9006, 7035 or 7037

Standard equipment

Locking	1-point mechanical Euro Lock
Handle	Lever handle on both secure and attack sides

Construction

Opening	Up to 150° inward or outward (depending upon model)
DIN	Left or right
Standard clear opening	900mm at 90° opening

Reference standard

The DarTek IA-K47 range is tested to resist PS Ball to EN 1523. It is also tested for the complete doorset for level FB4 (pistols), FB6 (assault rifles) and FSG (shotguns) to EN 1522. Glass is tested to resist PS Ball combined with a protection for level BR4 NS and BR6 NS to EN 1063.

Models

- Tested Kalashnikov weapon-Resistant Doors DarTek IA-K47 4-G and 6-G (glazed versions) and DarTek IA-K47 6-S (opaque version).

Applications

- Embassies
- Government buildings
- Military sites
- Cash Centers
- Police stations
- Retail
- ...

Options

- Alternative RAL colours or anodised finish
- Door position contact switch
- High security cylinder
- Choice of mechanical Euro Lock and electric locks
- Push buttons
- Choice of handle types
- Panic bar

Range composition

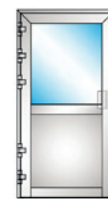
DarTek IA-K47 doors



IA-K47 4-G | IA-K47 6-G



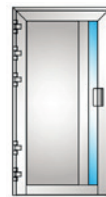
IA-K47 4-G | IA-K47 6-G double leaf



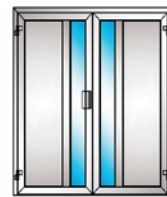
IA-K47 4-H | IA-K47 6-H



IA-K47 4-H | IA-K47 6-H double leaf



IA-K47 4-H | IA-K47 4-H



IA-K47 4-H | IA-K47 4-H double leaf



IA-K47 6-S



IA-K47 6-S double leaf

DarTek IA-K47 partitions



IA-K47 4-G | IA-K47 6-G



IA-K47 4-H | IA-K47 6-H

DarTek IA-K47 windows



IA-K47 4-G | IA-K47 6-G

KEY FEATURES

- Elegant appearance.
- Glazing and frames tested to resist the kalashnikov attacks.
- Reduction of the consumption of energy in the building.
- Finishes and dimensions versatility.
- Aluminium is a green product. It can be recycled infinitely without compromising the quality.

DARTEK IA-K47

Standard technical specifications

	Rating ballistic resistance		Ballistic resistance	Total standard width ¹	Total standard height ¹	Passage width (mm) ²	Passage height (mm) ²	Aluminium framework	Infill
	PS Ball to EN 1523	FB4/FSG to EN 1522							
DarTek IAK47 4-G	PS Ball to EN 1523	FB4/FSG to EN 1522	Single/Double	1150 / 2130	2130	900/1800	2050	92mm thick	Glass BR4 NS to EN 1063
DarTek IAK47 6-G	PS Ball to EN 1523	FB6/FSG to EN 1522	Single/Double	1150 / 2130	2130	900-1800	2050	92mm thick	Glass BR6 NS to EN 1063
DarTek IAK47 6-S	PS Ball to EN 1523	FB6/FSG to EN 1522	Single/Double	1150 / 2130	2130	900-1800	2050	92mm thick	Solid FB6 NS to EN 1522

1 : Overall dimensions of the door (mm) 2 : Door opening at 90°

Optional technical specifications

Model	Manual attack resistance	Blast resistance	Non standard width (mm)	Non standard height (mm)	Electric locking
DarTek IA-K47 4-G	RC4 selon EN 1627-30	-	980-1280/ 1300-2500	2050-2500	○
DarTek IA-K47 6-G	RC4 selon EN 1627-30	○	980-1280/ 1300-2500	2050-2500	○
DarTek IA-K47 6-S	RC4 selon EN 1627-30	○	980-1280/ 1300-2500	2050-2500	○

○ Optional
- Not available

Thermal Insulation Performance for the profile $U_f=2,49W/m^2K$. EN ISO 10077-2

Dimensions (mm)

	Door	W Overall Width	PW Passage Width (90°)	PW Passage Width (90°)	H Overall Height	PH Passage Height
DARTEK IA-K47 (92mm-thick)	Simple	W	W-220 (OO) W-250 (IO)	L-140 (OE) L-165 (IE)	H	H-70 (OO) H-82 (IO)
	Double	W	W-295 (OO) W-330 (IO)	L-140 (OO) L-165 (IO)	H	H-70 (OO) H-82 (IO)

OO: Outward Opening
IO: Inward Opening

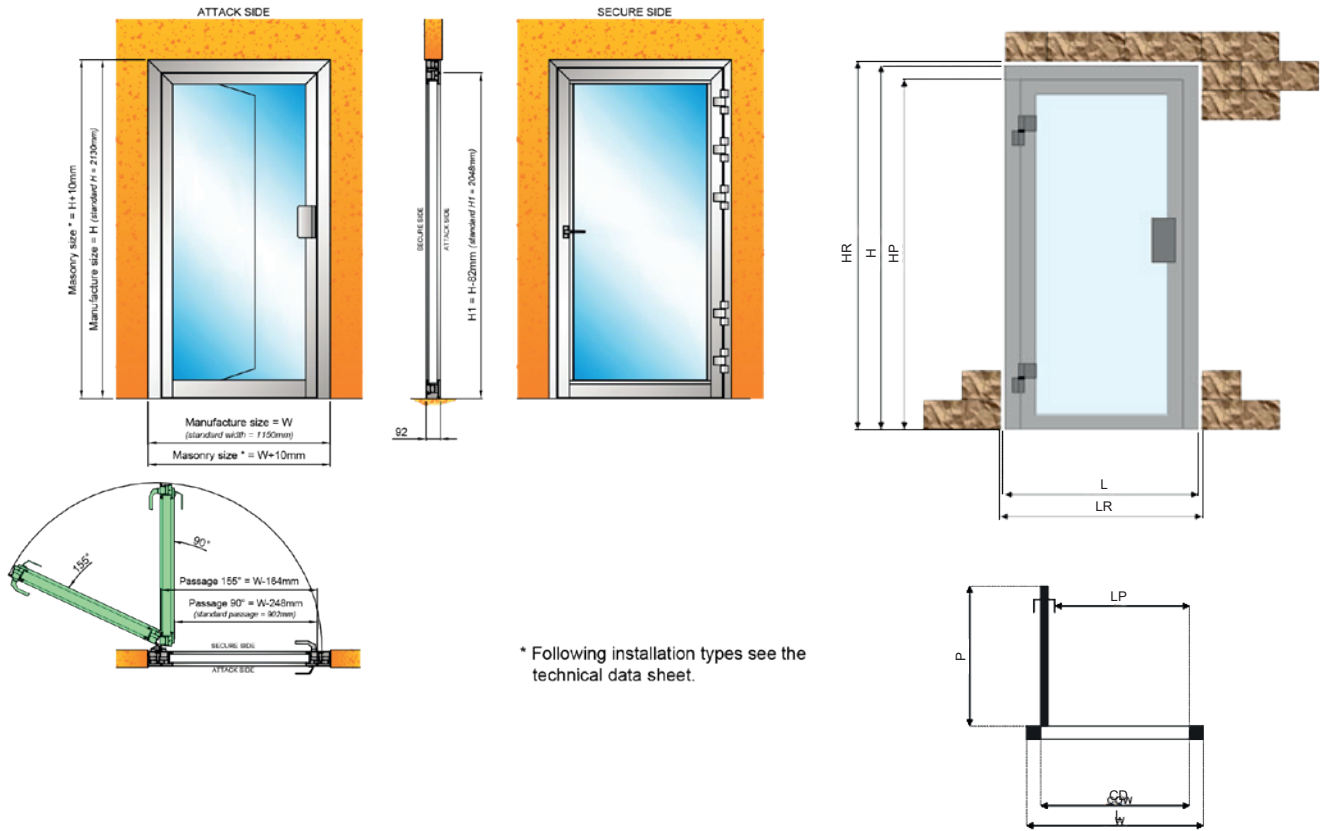
RW Reserved Width/RH Reserved Height*

MASONERY (stone or concrete)	W +10mm/H +10mm
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* Valid for DarTek IA-K47 doors, partitions and windows.

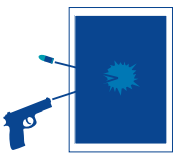
DARTEK IA-K47

Site preparation



Drawings are also available for the DarTek IA-K47 partitions and windows.

- Notice:
- The product performance depends upon the quality of its installation. All installation details are provided in the DarTek A-K47 installation manual.
 - Testing document for Kalashnikov weapon resistance is available on demand. Contact Fichet for any certificates request..



Ballistic
Resistance to
Kalashnikov
weapon



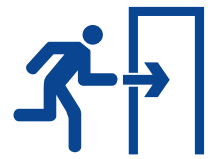
Energy
savings



Eco-design



Recyclable
product



Emergency
Exit

FICHET distributor
LO GIUDICE MERFORI SRL
Via del Gonfalone 3, Milano Tel: +39 0230556020
info@logiudicemerfori.com www.logiudicemerfori.com

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