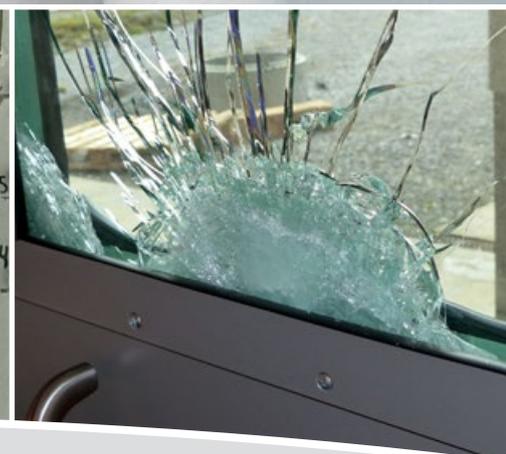


**NEW Against
automatic weapons in
line with VPAM P 6**

Gerichtssaal
03



Security in dangerous situations

The bullet and burglar-proof NovoPorta Premio S-D-1



The increasing risk of attack involving deadly violence.

There are many vulnerable sectors that require protection against attacks of all kinds. It is not only in military, but also in many public and civilian sectors where the danger posed by the use of handguns and fully automatic assault rifles is increasingly becoming a reality.

Among the affected areas are security zones in airports, central rail stations and venues for large-scale events, but they also include special areas in police and judicial buildings.

Another easily overlooked area, but one that nevertheless needs protection in the digital age is the IT server room. Such rooms are not just the central control centre for businesses, but often also represent the main hub of a company's international business relationships. Any shutdown would generate to huge losses. The same applies to banks and R & D facilities, where extremely valuable assets equally need to be protected.

In the case of the specified threat scenarios it can generally be assumed that high calibre assault rifles of Russian design or handguns are used. The NovoPorta Premio mastered the tests both to DIN EN 1522/1523 **firearms class FB 4** as well as the **special class VPAM* APR 2006 test level P 6**.

In the tests for the firearms class FB 4 the Premio was fired at with projectiles in the handgun calibre .44 Rem. Magnum, .357 Magnum and with iron core projectiles in the special class VPAM P 6 in the assault rifles calibre 7.62 x 39. It successfully withstood the heaviest handgun and the famous AK-47 Kalaschnikov during these tests.

* Association of test laboratories for attack resistant materials and constructions



Providing steadfast protection and always looking good: The NovoPorta Premio S-D-1 FB 4 and S-D-1 VPAM P 6.

The NovoPorta Premio is our new generation of steel hinged doors for Europe. It now fulfills not just the strict German regulations for fire protection and security, but also is tested in accordance with European standards.

The special bulletproof models S-D-1 FB 4 and VPAM P 6 from NovoPorta Premio are equipped with inlays in special steel and on request in the FB 4 class also with special bullet resistant glass to DIN EN 1063 in BR4 class and reinforced glass retainer bars of alloy steel. They successfully passed the DIN EN 1522 test in the FB 4 class and VPAM test level P 6. The doors were tested for all suspected weak points. As no splinters chipped off into the interior room, the Premio was awarded the suffix "NS" (meaning "no splinters"), indicating the highest level of safety.

With the special lock – fitted as standard – and the ES 2-safety door handle, the NovoPorta Premio S-D-1 **FB 4** and **VPAM P 6** are also classified as **RC3** burglar-resistant in accordance to DIN EN 1627.

Both doors are available as single-leaf door up to a size of 1,375 x 2,500 mm.



The uniform appearance of NovoPorta Premio doors is another attractive feature. It is not immediately visible whether the door is bullet-proof, fire-resistant or burglar-proof – a quality that represents a clear advantage in building construction.



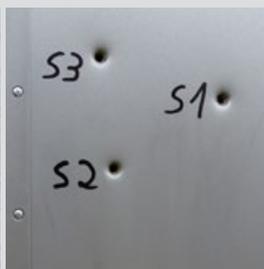
Calibre .44 Rem. Magnum
Bullet weight 15.6 g
Impact at 440 m/s
Impact force of flat nose bullet 1510 J



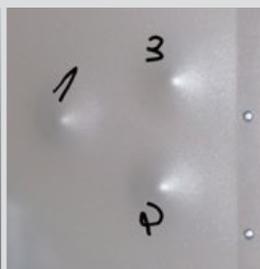
Calibre .357 Magnum
Bullet weight 10.2 g
Impact at 430 m/s
Impact force of coned bullet 943 J



Calibre 7.62 x 39
Bullet weight 8.0 g
Impact at 720 m/s
Impact force of pointed bullet with iron core 2074 J



Impact marks of several .44 Rem. Magnum projectiles on the door leaf of a NovoPorta Premio.



The associated deformation of steel armour. The projectiles were stopped effectively.

Ballistics classes according to DIN EN 1522 and VPAM (extract)

Class	Weapon type	Calibre	Bullet					
			Type	Mass in g	Manufacturer / Type	Velocity in m/s *	Energy in J *	
DIN EN 1522	FB 1	Rifle 	.22 lr	L/RN	2.60 ± 0.1	Winchester	360 ± 10	168
	FB 2	Handgun 	9 mm Luger (9 mm Para)	FJ(1)/RN/SC	8.00 ± 0.1	DAG DM 41	400 ± 10	518
	FB 3	Handgun 	.357 Mag.	FJ(1)/CB/SC	10.20 ± 0.1	Geco	430 ± 10	943
	FB 4	Handgun 	.357 Mag.	FJ(1)/CB/SC	10.20 ± 0.1	Geco	430 ± 10	943
.44 Rem. Mag.			FJ(2)/FN/SC	15.60 ± 0.1	Speer	440 ± 10	1510	
VPAM	P 4	Handgun 	.357 Mag.	FMJ/CB/SC	10.20 ± 0.1	Geco	430 ± 10	943
			.44 Rem. Mag.	FMJ*/FN/SC	15.60 ± 0.1	Speer	440 ± 10	1510
	P 5	Handgun 	.357 Mag.	FMs/CB	7.1 ± 0.1	DAG Special	580 ± 10	1194
	P 6	Rifle 	7.62 x 39	FMJ/PB/FeC	8.0 ± 0.1 Core 3.60	M 43	720 ± 10	2074

L Lead
CB Coned bullet
FJ(1) Full metal jacket, steel
FJ(2) Full metal jacket, copper
FN Flat nose bullet

FMJ Steel – full metal
FMJ* Copper – full metal
FeC Iron core
PB Pointed bullet
RN Round nose bullet
SC Soft core (lead)

* on impact

Novoferm – with a presence on all online media for you!

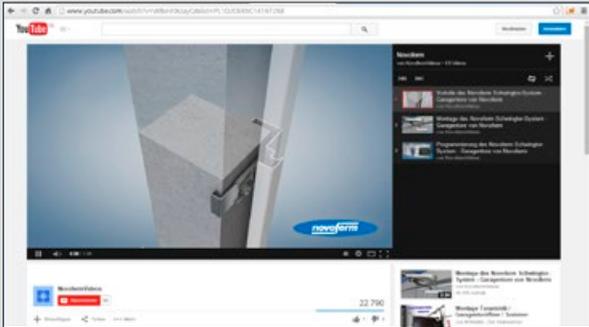


Online platform for digital information

Our online presence at www.novoferm.com provides construction professionals with a one-stop platform where they can find comprehensive information on our products quickly and easily.

You can also contact us directly online. We will either help you ourselves or pass your query onto a Novoferm sales partner in your area.

  www.novoferm.com



Social media for more dialogue and more movement

Get a quick overview of our products – with animation and in full colour. And then share your impressions with others!

Novoferm goes YouTube. The videos we have posted on our channel show off the functions and benefits of our products in a lively and engaging manner. The animated presentation and the practical tips will convincingly make the strengths of the Novoferm product range clear to you.

 www.youtube.com/NovofermVideos

Novoferm. On site. Direct. Europe-wide.

The Novoferm Group is one of the leading providers of door, gate, frame and drive systems in Europe. We offer a wide range of products and services for private, commercial and industrial applications. All our products are manufactured according to the highest quality standards and using the very latest technology. At the same time, we combine maximum functionality with innovative design. We manufacture our products in various international locations and with our Europe-wide network we are always able to deal with you – wherever you are!

Your Novoferm sales partner



 www.novoferm.com

 Novoferm YouTube-Channel www.youtube.com/NovofermVideos

