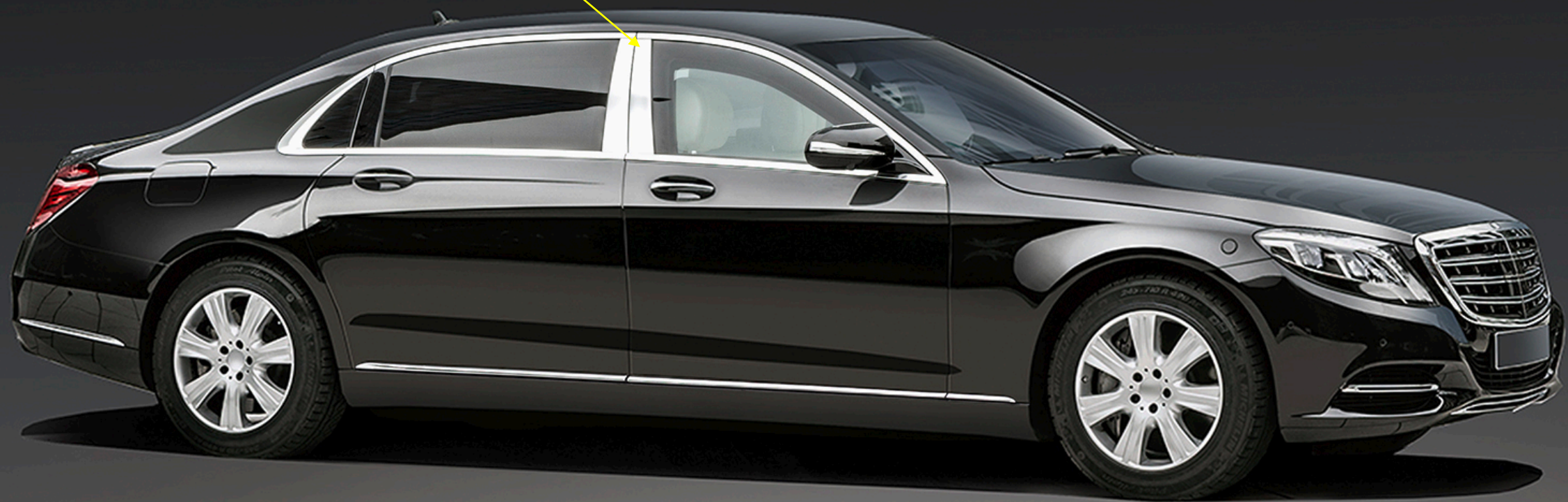






Stretched and armored Mercedes-Maybach S600/650 X222 Guard VR9,VR10 +500mm after B-pillars

B-pillar

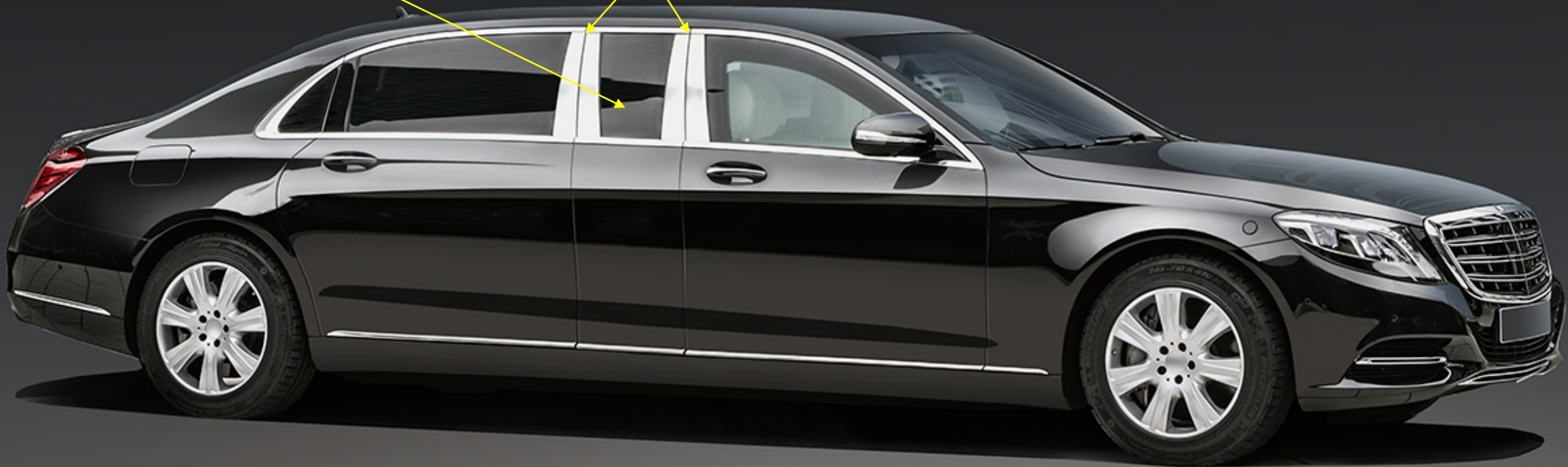


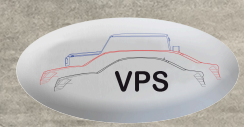


Stretched and armored Mercedes-Maybach S600/650 X222 Guard VR9,VR10 +500mm after B-pillars

Middle insert (service door for technical purposes)
+500mm with ordinary glass and armor steel plates
in shape of a deaf bulkhead between two B-pillars
inside and outside with overlapping

B-pillars



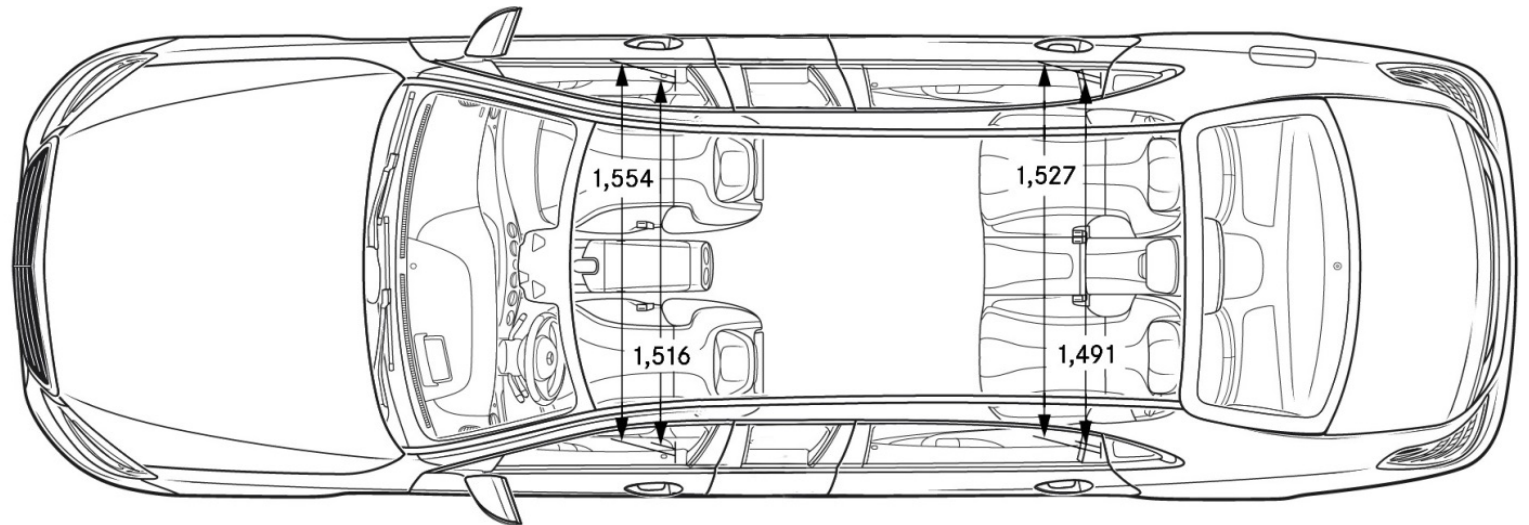
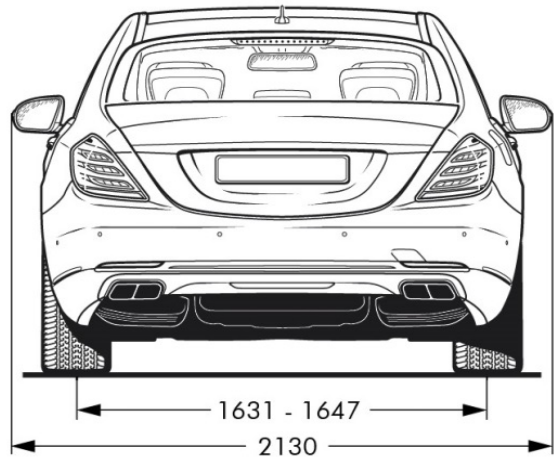
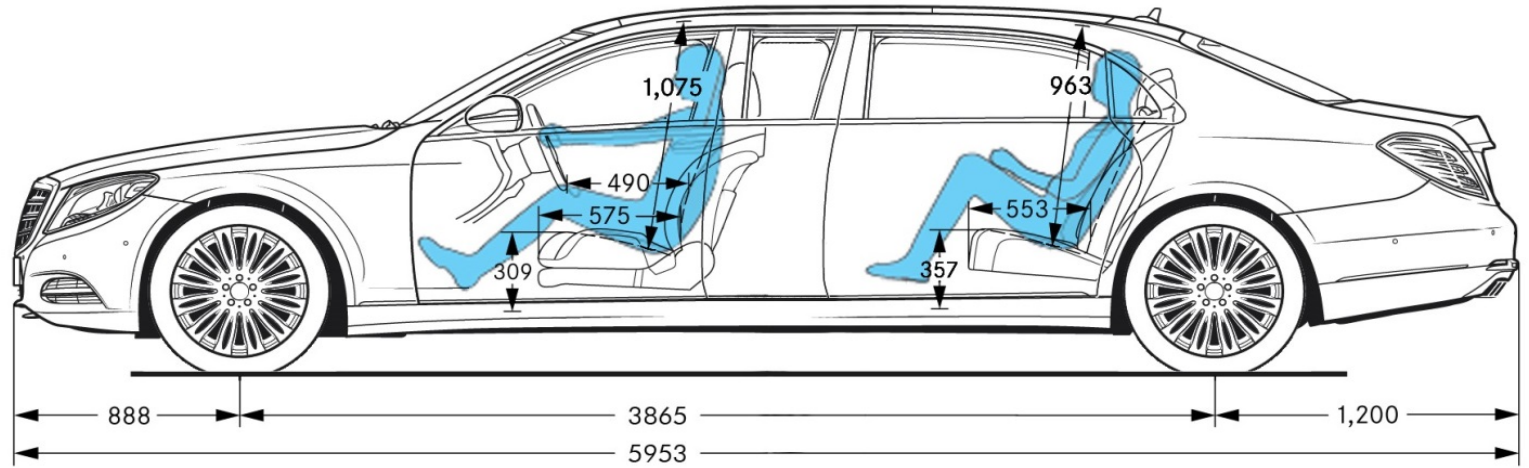
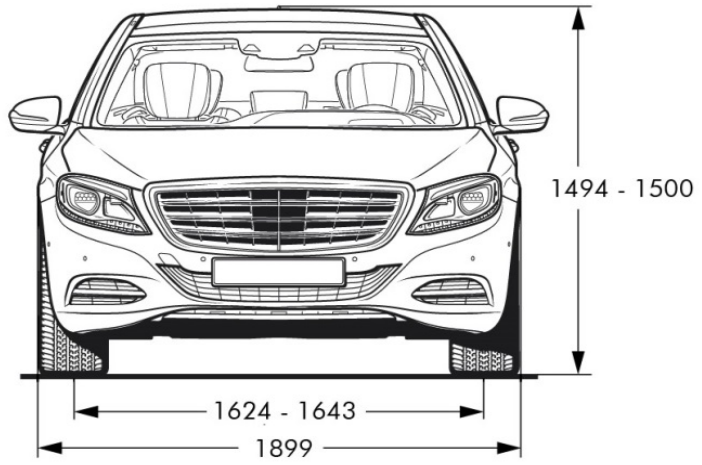


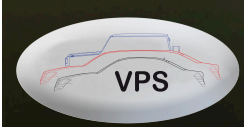
Stretched and armored Mercedes-Maybach S600/650 X222 Guard VR9,VR10 +500mm after B-pillars with division wall between front and rear compartments (for +500mm version ONLY!)





Stretched and armored Mercedes-Maybach S600/650 X222 Guard VR9,VR10+500mm after B-pillars



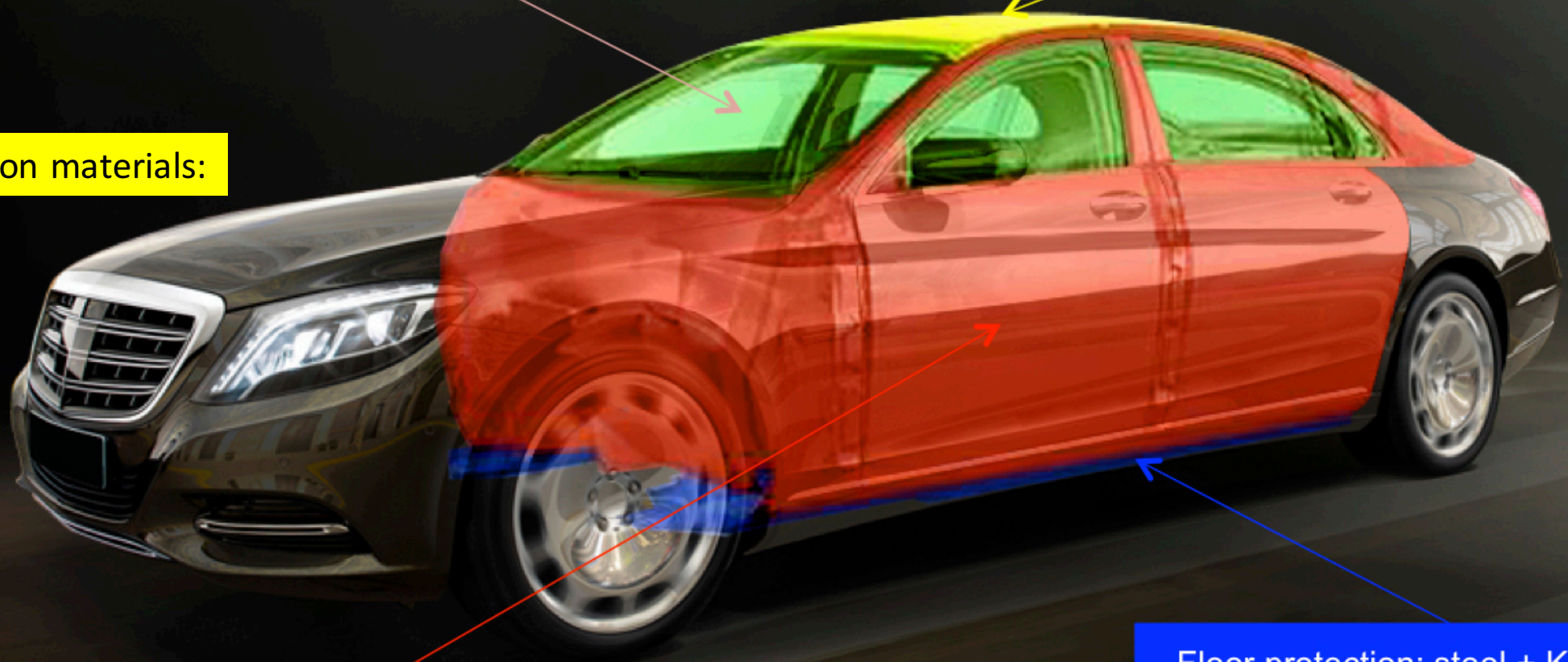


Stretched and armored Mercedes-Maybach S600/650 X222 Guard VR9,VR10+500mm after B-pillars

Transparent armour: multilayer laminated ballistic glass with inner polycarbonate layer

Roof protection: steel + Twaron

Ballistic protection materials:



Floor protection: steel + Kevlar

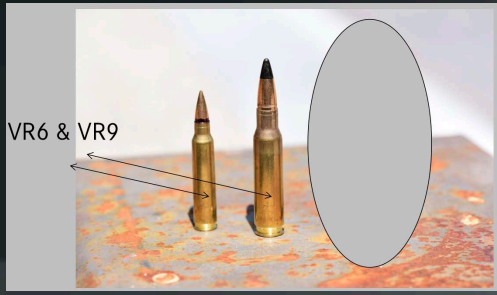
Opaque armour: formed steel + Aramid



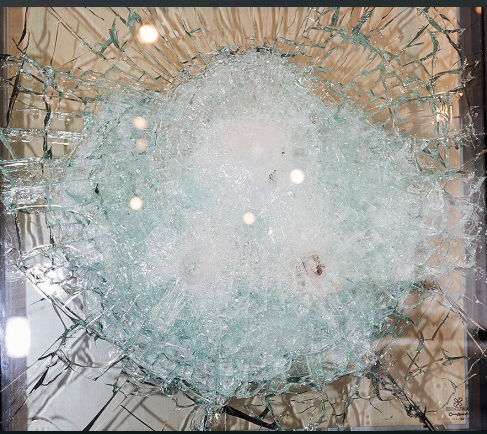
Protection against firearms - Certificate VR10 in accordance to VPAM BRV2009 directive (Bullet Resistant Vehicle)

Protection against firearms and explosions – Certificate VR10 in accordance to VPAM BRV2009 part 2 and VPAM ERV2010 directives (Explosive Resistant Vehicle)





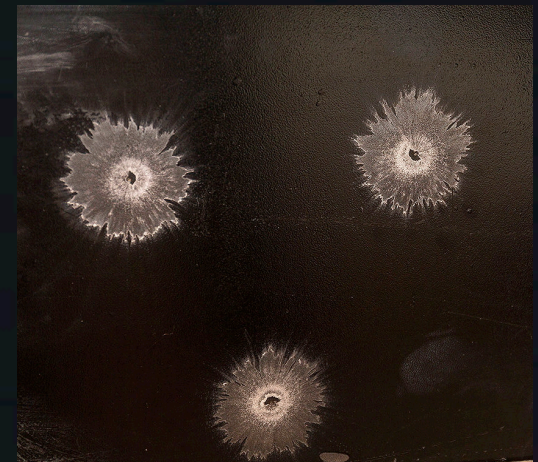
Mercedes-Maybach S650 X222 Guard with protection level VR10 - full protection against hits from sniper rifle Dragunov 360



Transparent armour



Opaque armour





Stretched and armored Mercedes-Maybach S600/650 X222 Guard VR9,VR10+500mm after B-pillars



VPAM Prüfrichtlinie APR 2006



Prüfstufen VPAM APR 2006	Anwendung bei		Zum Vergleich *)		Waffenart (Beispiele)	Patrone	Angaben zur Prüfmunition				Auszüge aus den Prüfbedingungen		
	PM	BSW	BR				Kaliber	Art	Masse [g] Härte [HRC]	Hersteller / Typ	Schuss- entfernung **) [m]	Geschoss- geschwindigkeit V [m/s]	Geschoss- energie [Joule]
1	PM 1	BSW 1	BR 1				.22 lr	L/RN	2,60 ± 0,1	Winchester	10 + 0,5	360 ± 10	168
	VR 1	HVN 1	FB 1										
			VR 1 (BRV 1999)										
2	PM 2	BSW 2					9mm Luger	FMJ/RN/SC verzinkt	8,00 ± 0,1	DAG DM 41	5 + 0,5	360 ± 10	518
	VR 2	HVN 2											
3	PM 3	BSW 3	BR 2				9mm Luger	FMJ/RN/SC (verzinkt)	8,00 ± 0,1	DAG DM 41	5 + 0,5	415 ± 10	689
	VR 3	HVN 3	FB 2										
4	PM 4	BSW 4	BR 3				.357 Mag.	FMJ/CB/SC	10,20 ± 0,1	Geco	5 + 0,5	430 ± 10	943
	VR 4	HVN 4	FB 3										
			VR 3 (BRV 1999)										
			BR 4										
5	PM 5	BSW 5					.44 Rem. Mag.	FMJ*/FN/SC	15,60 ± 0,1	Speer	5 + 0,5	440 ± 10	1510
	VR 5	HVN 5											
6	PM 6	BSW 6					7,62 x 39	FMJ/PB/FeC	8,00 ± 0,1 Kern 3,60	-	10 + 0,5	720 ± 10	2074
	VR 6	HVN 6											
7	PM 7	BSW 7	BR 5	Stanag Level 1			.223 Rem. (5,56 x 45)	FMJ/PB/SCP	4,0 ± 0,1	MEN SS109	10 + 0,5	950 ± 10	1805
	VR 7	HVN 7	FB 5	wenn zusätzlich									
			VR 5 (BRV 1999)	5,56 x 45 mm									
			BR 6	(Typ: M193)									
8	PM 8	BSW 8		Stanag Level 2			7,62 x 39	FMJ/PB/HCI	7,70 ± 0,1 Kern 4,10 Härte 65	-	10 + 0,5	740 ± 10	2108
	VR 8	HVN 8											
9	PM 9	BSW 9	BR 7				.308 Win (7,62 x 51)	FMJ/PB/HC	9,70 ± 0,2 Kern 4,00 ± 0,1 Härte 62 ± 2	MEN/CBC FNB 80	10 + 0,5	820 ± 10	3261
	VR 9	HVN 9	FB 7										
10	PM 10	BSW 10		Stanag Level 3			7,62 x 54 R	FMJ/PB/HCI	10,40 ± 0,1 Kern 5,30 Härte 63	-	10 + 0,5	860 ± 10	3846
	VR 10	HVN 10											
11	PM 11	BSW 11					.308 Win (7,62 x 51)	FMJ/PB/WC	8,40 ± 0,1 Kern 5,90	Nammo AP 8	10 + 0,5	930 ± 10	3633
	VR 11	HVN 11											
12	PM 12	BSW 12					.308 Win (7,62 x 51)	FMJ/PB/WC	12,70 ± 0,1 Kern 5,88 Härte 1330 HV 10	Ruag SWISS P AP	10 + 0,5	810 ± 10	4166
	VR 12	HVN 12											
13	PM 13	BSW 13					.50 Browning (12,7 x 99)	FMJ/PB/HC	43,00 ± 0,5 Kern 35,00 Härte 55 ± 2	Ruag SWISS P	nicht vorgegeben	930 ± 20	18595
	VR 13	HVN 13											
14	PM 14	BSW 14		Stanag Level 4			14,5 x 114	FMJ/PB/HCI	63,40 ± 0,5	-	10 + 0,5	911 ± 20	26308
	VR 14	HVN 14		wenn zusätzlich 20 mm FSP									

*) Die Normen DIN EN 1063 (Sonderverglasung im Bauwesen) und DIN EN 1522/23 (Fenster und Türen) sowie STANAG 4569 AEP 55 und VPAM BRV 1999 sind zum Vergleich angeführt. Anforderungen und Prüfbedingungen sind teilweise von den VPAM abweichend.
 **) Sofern es hinsichtlich Geschwindigkeit, Pendelung und Auftreffpunkt notwendig ist, kann die Schussentfernung bei den Prüfstufen 1-12 angepasst werden.
 FMJ Stahl-Vollmantel, FMJ* Kupfer-Vollmantel, CB Kegelspitzkopf, RN Rundkopf, PB Spitzkopf, FN Flachkopf, L Vollblei, SC Blei-Weichkern, FeC Eisen-Kern, SCP Blei-Weichkern mit Stahlpenetrator, HC Stahlhartkern, WC Wolframkarbid, FM Vollmessing, I Incendiary (Brandsatz)

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