



"no one  
protects you  
better."



**Armored to Level A9/B6+**

Against 7.62x39, 5.56x45, 7.62x51, M193, & M80 Ball

**Armored Mercedes-Benz S550**

**ALPINE ARMORING INC.**  
[alpineco.com](http://alpineco.com)



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## VEHICLE SPECIFICATIONS

MERCEDES-BENZ S550

VIN: WDDUG8CB1FA077204

### GENERAL SPECIFICATIONS

VIN:	WDDUG8CB1FA077204
MAKE:	Mercedes Benz
MODEL:	S550
YEAR:	2015
ENGINE:	4.7L V8 Biurbo Gasoline
POWER:	449 hp
TRANSMISSION:	7-Speed Driver Adaptive
COLOR:	Black
INTERIOR:	Black Leather
SEATING:	2 + 3
APPROX. WEIGHT:	6,890 lbs. (3,125 kg)

### OTHER SPECIFICATIONS

HEIGHT:  
**58.7 in.**  
(149 cm)

WIDTH:  
**84 in.**  
(212 cm)

LENGTH:  
**206 in.**  
(520 cm)

WHEELBASE:  
**124 in.**  
(316 cm)







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## OPAQUE ARMOR DETAILS

MERCEDES-BENZ S550

VIN: WDDUG8CB1FA077204



### Firewall

Ballistic steel lines the firewall and provides protection up front.

4-1

### Roof

Roof is lined with ballistic steel at angle.

4-5



### Floor

Floor is lined with ballistic steel to protect against mines and grenade blasts.

4-2

### Doors

All doors are lined with ballistic steel.

4-6



### Exhaust Protection

The exhaust is protected by a steel mesh to prevent sabotage.

4-3

### Heavy-Duty Hinges

Custom hinges that will withstand the weight of the armored doors.

4-7



### Overlaps

All doors and windows feature ballistic steel overlaps to keep shrapnel from angle shots from entering the cabin.

4-4

### Wheel Wells

Front and rear wheel wells are lined with ballistic steel.

4-8







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## TRANSPARENT ARMOR DETAILS

MERCEDES-BENZ S550

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### Glass Thickness

Minimum 39 mm thick glass/polycarbonate composite transparent armor.

5-1



### Anti-Spall Layer

Inner-most anti-spall layer prevents glass and bullet fragments from penetrating into passenger cabin area.

5-2



### Multi-Hit Protection

All windows are capable of sustaining multiple hits while providing protection to passengers.

5-3



### Anchored Windows

All windows are anchored for additional protection from explosions.

5-4

Multi-layer Construction 39 MM







## ADDITIONAL FEATURES

MERCEDES-BENZ S550

VIN: WDDUG8CB1FA077204



### P.A./Multi-Siren System

Located on the center console. The multi-siren features standard siren tones, volume adjustment, and a public address system.

6-1

### Emergency Lighting

Red/blue LED lights are mounted in the front grill and visor area.

6-5



### Power Windows

The front two windows are powered and lower approximately 5-6 inches for documents pass-thru.

6-2

### Battery Protection

The battery is encased in a ballistic steel box.

6-6



### ECM Protection

Electronic control module is encased in a ballistic steel box.

6-3

### Fuel Tank Protection

The fuel tank is encased in a ballistic steel box to protect against mines and grenades.

6-7



### Special Door Overlaps

All doors and windows feature built in ballistic steel overlaps.

6-4

### Undercarriage Protection

Ballistic steel to protect all undercarriage of vehicle.

6-8







## COMPLETED VEHICLE PHOTOS

MERCEDES-BENZ S550

VIN: WDDUG8CB1FA077204

7-1



This image is property of Alpine Armoring

7-2



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7-3



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7-4



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## COMPLETED VEHICLE PHOTOS

MERCEDES-BENZ S550

VIN: WDDUG8CB1FA077204

8-1



8-2



8-3



8-4



8-5



8-6














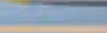






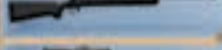







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# ALPINE ARMORING'S BALLISTIC CHART

WEAPONS	SPECS			LEVELS					BULLETS			"no one protects you better"	
	TYPE	CALIBER (mm)	CLASS	STANAG	UL	ALPINE	NIJ	CEN	MASS (g)	MATERIAL	VELOCITY	NUMBER OF SHOTS	
	.38 Special	9 x 19	Handgun	—	1	A1	I,II,IIA	—	8.00	LCCJ	358 M/S	5	
	.357 Magnum	9 x 33	Handgun	—	2	A2	II,IIA	B1 & B3	10.20	JSP	430 M/S	5	
	.44 Magnum	11 x 33	Handgun	—	3	A3	IIIA	B4	15.60	LWC	440 M/S	5	
	MPS	9 x 19	SMG	—	6	A4	IIIA	B2	8.00	LCCJ	427 M/S	5	
	Shotgun	12 Gauge	Shotgun	—	3 & 4	A5	IIIA	SG2	28.30	SLUG	503 M/S	3	
	Tokarev	7.62 x 25	Handgun	—	—	A5	IIIA	—	5.50	LCCJ	488 M/S	5	
	Kalashnikov (AK-47)	7.62 x 39	Assault Rifle	—	—	A6	III	B5	9.70	SCCJ	732 M/S	5	
	Kalashnikov (AK-47 Military)	7.62 x 39 API BZ	Assault Rifle	II	—	A7	—	B5+	11.70	SCCJ	774 M/S	5	
	M16/AR-15	5.56 x 45 NATO S&W 5.56 x 45 NATO Bul	Assault Rifle	I	7	A8	IV	B5	4.00	SCCJ LCCJ	900 M/S 833 M/S	3	
	Winchester .308	7.62 x 51	Rifle	I	7	A9	III	B5	10.90	LCCJ	810 M/S	5	
	Remington 700 SPS	7.62 x 63 AP (30-06) 7.62 x 51AP (MC core)	High-Power Rifle	III	5 & 8	A10	IV	B7-	10.80 8.40	AP	869 M/S 930 M/S	5	
	Dragunov	7.62 x 54R B32 API	Sniper Rifle	III	—	A11	IV+	B7+	10.04	SCCJ	854 M/S	1	
	.50 Cal	12.7 x 99	High-Power Rifle	IV	10	A12	—	—	45.00	CJ	908 M/S	1	



UL ..... Underwriters Laboratory, 752  
 NIJ ..... National Institute of Justice, 0108.01  
 CEN ..... European Standard  
 STANAG ..... NATO's Standard (STANAG 4569)  
 ALPINE ..... Alpine Armoring's Certified Standard

LCCJ ..... Lead Core Copper Jacket  
 JSP ..... Jacketed Soft Point  
 LWC ..... Lead Wad Cutter  
 LCCJ ..... Lead Core Steel Jacket  
 SCCJ ..... Steel Core Copper Jacket  
 AP ..... Armor Piercing  
 SG ..... Shotgun

Shots (5) ..... 11.4 cm Square Pattern  
 (Corners & Center)  
 Shots (3) ..... 11.4 cm Triangular Pattern  
 Velocity ..... Minimum Measured Velocity  
 NIJ Rating ..... Levels I, II, IIA, & IIIA (based on 1 of  
 2 required calibers of ballistic threat)







# WARRANTY

## ARMORED MERCEDES BENZ S550

This vehicle, as proposed to the client, would be under Alpine Armoring's premium warranty covering all its armored parts and labor as well as all added accessories for one full year, effective the day of sale. Additional warranty for longer period is available upon request.

Alpine Armoring Inc. hereby honors this warranty, in the United States and worldwide, against any and all related manufacturer's defects, including parts and labor.

MANAGEMENT AUTHORIZED  
ALPINE ARMORING INC.  
HERNDON, VIRGINIA, USA

DATE ISSUED

