

4-MATIC



Armored to Level A9/B6+  
Against 7.62x39, 5.56x45, 7.62x51, M193 & M80 Ball

**Armored Mercedes-Benz S550**

**ALPINE ARMORING INC.**  
alpineco.com





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Table of Contents..... Page 2

Vehicle Specifications ..... Page 3

Opaque Armor Details.....Page 4

Transparent Armor Details..... Page 5

Additional Features..... Page 6

Completed Vehicle Photos.....Page 7-8

Ballistic Reference Chart..... Page 9

Vehicle Warranty..... Page 10





# VEHICLE SPECIFICATIONS

## GENERAL SPECIFICATIONS

VIN:	WDDUG8FBXGA215805
MAKE:	Mercedes Benz
MODEL:	S550 4MATIC
YEAR:	2016
ENGINE:	4.7L V8 Gasoline
POWER:	449 hp @ 5,200 rpm
TRANSMISSION:	7-Speed Auto w/Shift Paddles
COLOR:	Black
INTERIOR:	Crystal Grey Seashe Leather
SEATING:	2 + 3
APPROX. WEIGHT:	6,800 lbs. (3,084 kg)

## OTHER SPECIFICATIONS

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

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

LENGTH:  
**206.5 in.**  
(524 cm)

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



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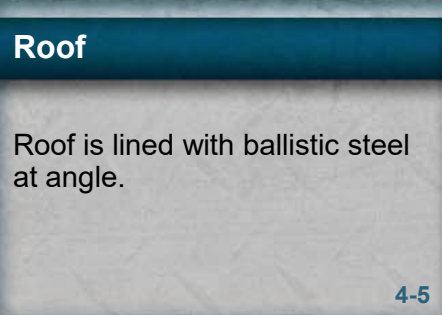


### Firewall

Ballistic steel lines the firewall and provides protection up front.

4-1

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### Roof

Roof is lined with ballistic steel at angle.

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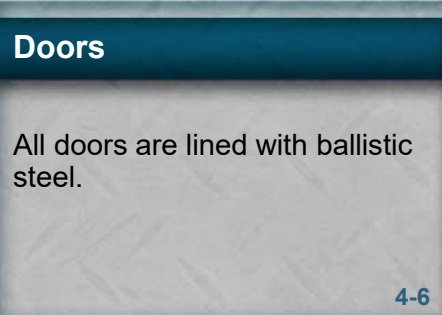


### Floor

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

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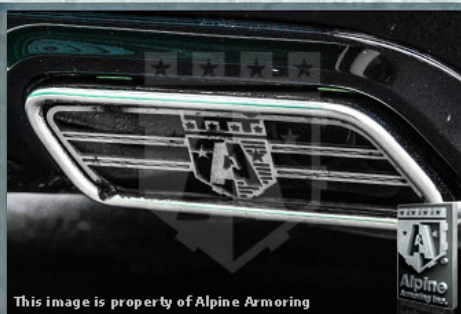


### Doors

All doors are lined with ballistic steel.

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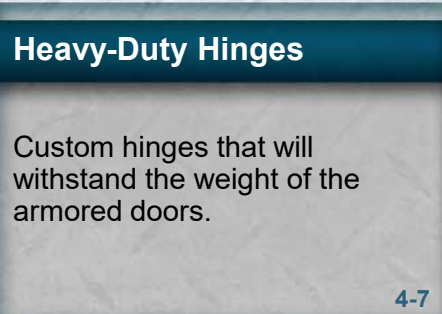


### Exhaust Protection

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

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### Heavy-Duty Hinges

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

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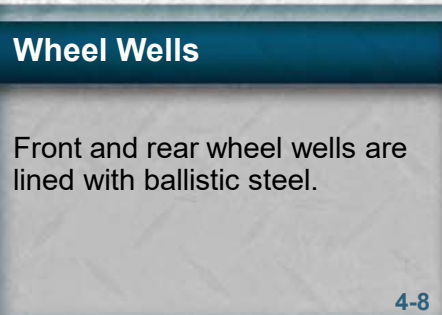


### Overlaps

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

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### Wheel Wells

Front and rear wheel wells are lined with ballistic steel.

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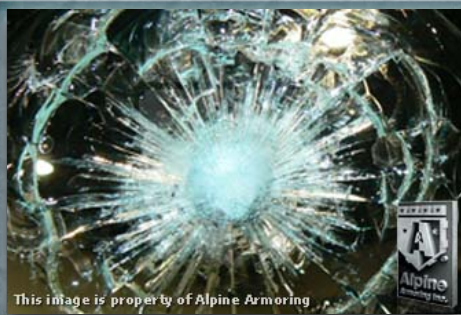


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### Glass Thickness

Minimum up to 39 mm thick glass/polycarbonate composite transparent armor.

5-1



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### Anti-Spall Layer

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

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### Multi-Hit Protection

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

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### Anchored Windows

All windows are anchored for additional protection from explosions.

5-4

Multi-layer Construction 39MM







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### 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

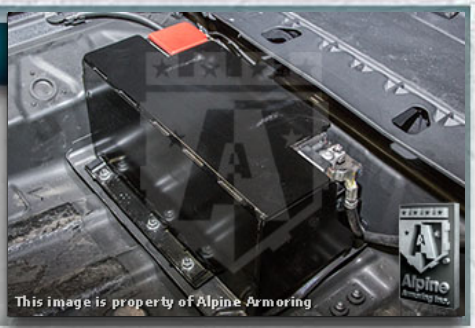
The front two windows are powered and lower approximately 5-6 inches for documents pass-thru.

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

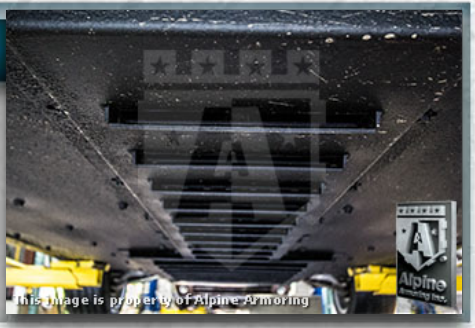
All doors and windows feature built in ballistic steel overlaps.

6-4

### Undercarriage Protection

Ballistic steel to protect all undercarriage of vehicle.

6-8





COMPLETED VEHICLE PHOTOS



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COMPLETED VEHICLE PHOTOS



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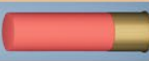















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# ALPINE ARMORING'S BALLISTIC CHART

WEAPONS	SPECS			LEVELS					BULLETS			NUMBER OF SHOTS	
	TYPE	CALIBER (mm)	CLASS	STANAG	UL	ALPINE	NIJ	CEN	MASS (g)	MATERIAL	VELOCITY		
	.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	I,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	
	MP5	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	LCSJ	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 SS109 5.56 x 45 NATO Ball	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	B6	10.90	LCCJ	810 M/S	5	
	Remington 700 SPS	7.62 x 63 AP (.30-06) 7.62 x 51AP (WC 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	

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**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  
**LCSJ** ..... 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)



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# WARRANTY

## MERCEDES-BENZ S550 4MATIC

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

