



## **ARMORED MB G500**

**Professionally Armored to Level A9/B6+  
7.62x39, 5.56x45, 7.62x51, M193, & M80 ball**



**This vehicle is available  
for immediate delivery**

# **ALPINE ARMORING INC.**

**[www.alpineco.com](http://www.alpineco.com)**

## BASE VEHICLE SPECIFICATIONS

**MAKE:** Mercedes-Benz

**MODEL:** G500

**VIN:** **WDCYR49E28X176088**

**YEAR:** 2008 (Brand New)

**ENGINE:** 5.2 L. V8 Gasoline

**POWER:** 292 HP @ 5,700 RPM

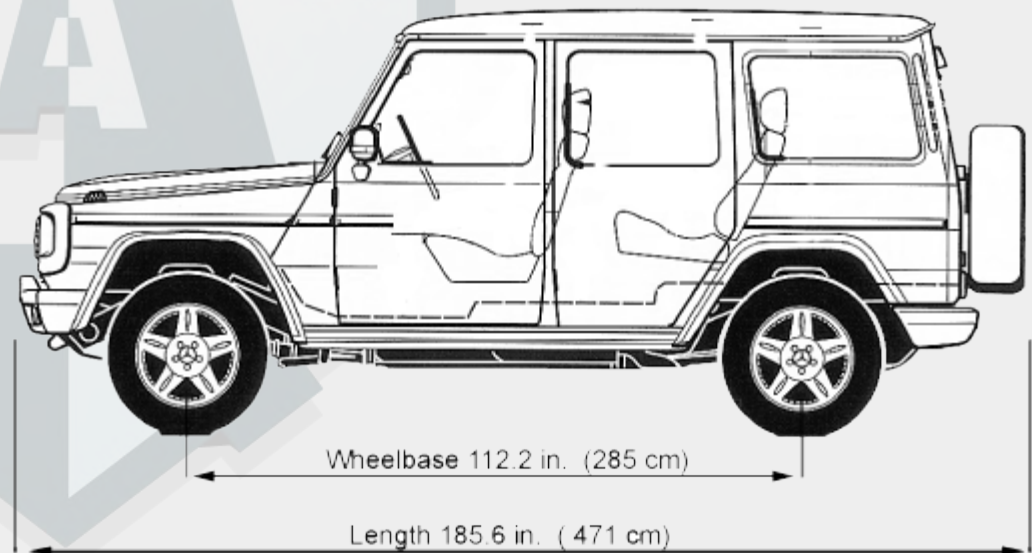
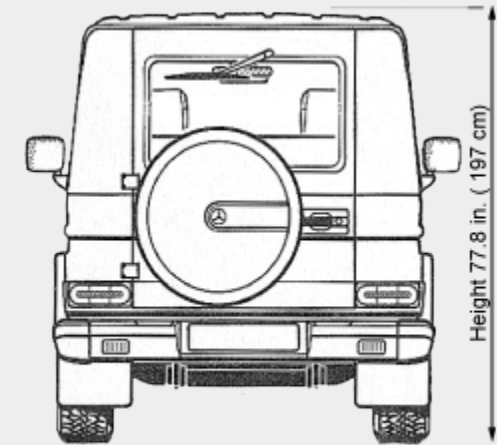
**TRANSMISSION:** 7-Speed Automatic

**COLOR:** Black (Code 040)

**INTERIOR:** Grey Leather

**SEATING:** 2 + 3

**WEIGHT:** 7,070 lbs. (Armored)



Original Vehicle's [Title](#)

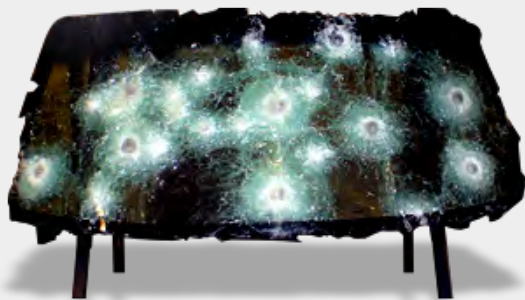
OEM's [Window Sticker](#)

## GENERAL ARMORING SPECIFICATIONS

- A. Protection at **Level A9/B6+**, against high power rifles including **7.62x39, 5.56x45, 7.62x51, M193, & M80 ball** (see page 4)
- B. All original glass is removed and replaced with NIJ certified multi-layered ballistic glass/polycarbonate (see page 5)
- C. 4 mm ballistic steel shell installed between interior and exterior frame/chassis (see page 6)
- D. Floor has Anti-mine protection including DM51 grenade/fragmentation using composite materials and ballistic steel (see page 7)
- E. Roof (60° angle) using special & lighter ballistic composite material for lower center of gravity (see page 7)
- F. Patented designed armoring for firewall and wheel wells for added protection (see page 7)
- G. Additional areas of armoring are the fuel tank, battery compartment, and engine computer module (see page 8)
- H. A complete set of four (4) high grade Run Flats installed (see page 8)

## OPTIONAL EQUIPMENT (included)

- I. P.A./Multi-Siren System built-in, accessible to the driver (see page 9)
- J. Tailpipe protection (see page 9)



**DETAILED ARMORING SPECIFICATIONS**

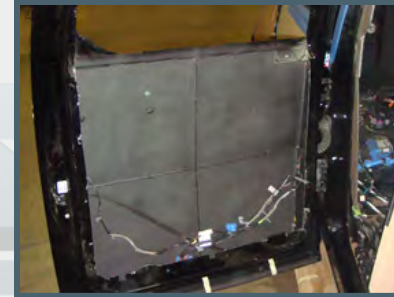
**OPAQUE AREAS**

**A. Protection at Level A9/B6+, against high power rifles including: 7.62x39, 5.56x45, 7.62x51, M193, & M80 ball**



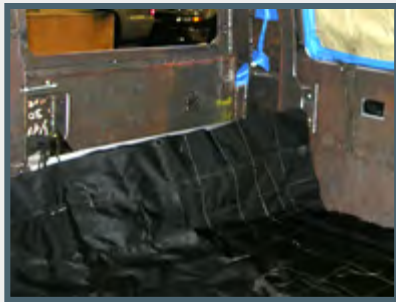
**Structure**

Ballistic steel is used to provide the best protection possible



**Doors**

All doors are ballistic steel lined



**Floor**

Protection below with ballistic composite material



**Firewall**

Ballistic steel firewall provides protection up front

DETAILED ARMORING SPECIFICATIONS

TRANSPARENT AREAS

B. All original glass is removed & replaced with NIJ certified multi-layered ballistic glass/polycarbonate



Glass

Using robotic equipment to install Armored glass



Window Thickness

40 mm thick for maximum protection



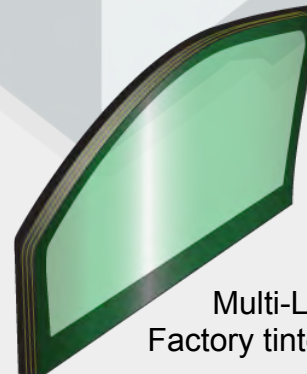
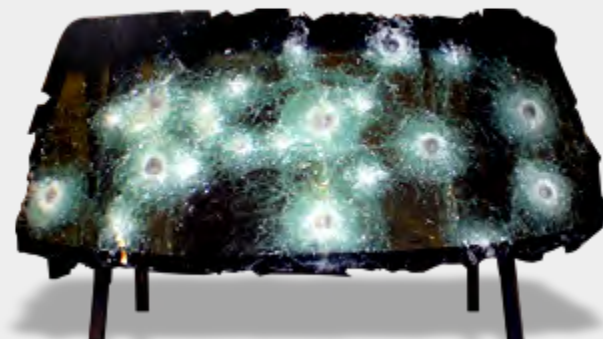
Anti-Spall

Anti-spall layer prevents glass fragments from penetrating into passenger cabin

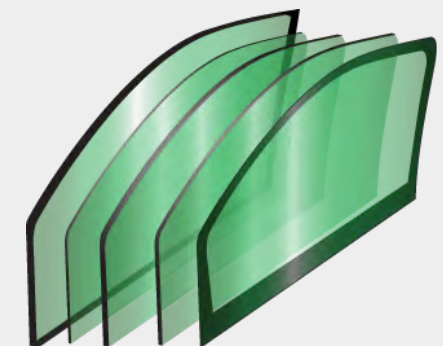


Multi-Layered Design

Multi-Layered glass/Polycarbonate protecting against multiple hits, providing more time to escape



Multi-Layered High Optics  
Factory tinted Glass/Polycarbonate



**DETAILED ARMORING SPECIFICATIONS**

**PASSENGER COMPARTMENT**

C. 4 mm ballistic steel shell installed between interior and exterior frame/chassis



**Door Overlaps**

All door overlaps (extra padding used) protect against penetration from every angle



**Structure**

The entire interior structure is protected using ballistic material



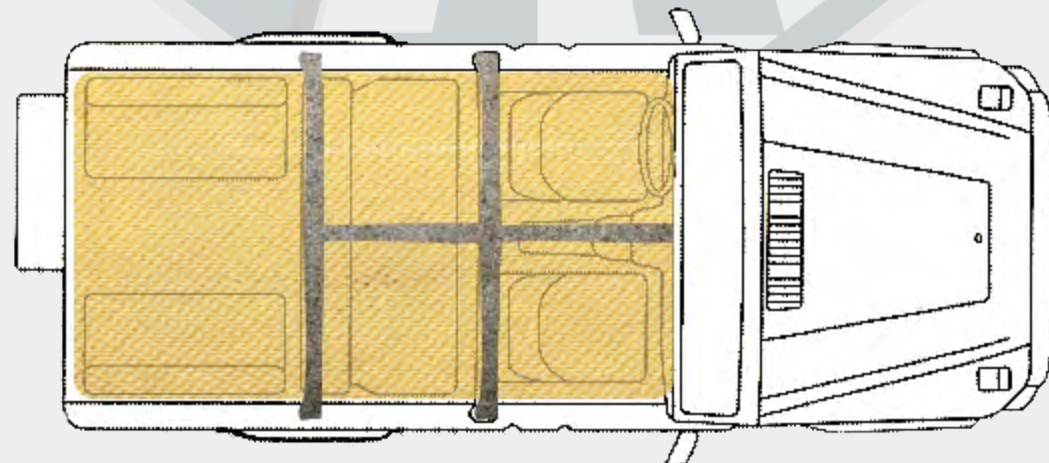
**Door Straps**

Reinforced door straps allowing for normal door function



**Roof**

Special composite material (Dynamea®)



**DETAILED ARMORING SPECIFICATIONS**

**FLOOR, FIREWALL, AND INTERIOR AREAS**

D. Floor: Anti-mine protection including DM51 grenade/fragmentation using composite materials and ballistic steel



**Floor**

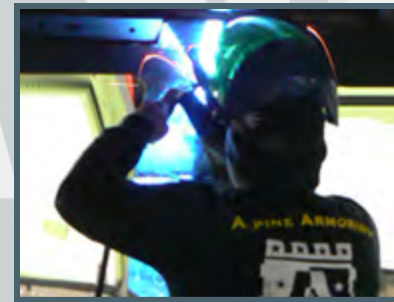
Patented interior floor armoring design protects against mine and DM51 grenade attacks



**Floor**

Using ballistic composite Material/ nylon

E. Roof (at an angle) using special & lighter ballistic composite material (Dyneema®) for a lower center of gravity



F. Patented designed armoring for firewall and wheel wells for added protection



## DETAILED ARMORING SPECIFICATIONS

### FUEL TANK & RUN-FLATS

- G. Additional areas of armoring are the fuel tank, battery compartment, and engine computer module
- Patented protection for sensitive components
  - Gas tank is protected externally
  - Engine computer module protection ensures vehicle systems function even in extreme situations



- H. A complete set of four (4) Run-Flats



2 in. / 5.08 cm.



## OPTIONS

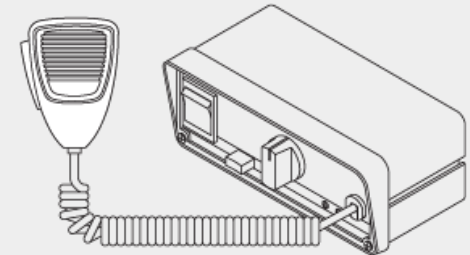
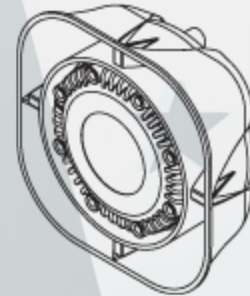
## P.A. SYSTEM &amp; MESH TAILPIPE

## I. Built-in Public Address System with Multi-Mode Siren system

- Siren Activates via slide switch (PTT, push-to-talk switch on microphone overrides all siren functions)



## J. Tailpipe Protection



## GENERAL OEM SPECIFICATIONS

### COMFORT & CONVENIENCE

- 292 Horse Power/5500 RPM
- 3361b-ft of Torque/2800 - 4000 RPM
- 4-Wheel Electronic Traction System (4-ETS)
- Permanent 4-Wheel Drive
- 5 Spoke 18" Alloy Wheels 265/60
- Dual Zone Auto Climate Control with Rear Vents
- Power Telescopic & Tilt Heated steering Wheel with Memory & Menu Function
- COMAND - Cockpit Management & Data System with DVD Navigation
- Cruise Control
- Front & Rear Heated Seats
- Full Leather Seats 10-Way Electric
- Adjustable Front Seats with Memory
- Driver's Side Multi-Contour Seat
- Foldable Rear Seats 60/40 split
- Privacy Glass (Rear Doors, Quarter
- Harman/Kardon Premium Sound System w/6-Disc CD Changer (Cargo Area)
- Trailer Hitch Pre-Wiring
- Electrically Heated Windshield
- Homelink Garage Door Opener
- Rearview Camera
- Rear Park Assist
- Electronic Stability Program w/Brake Assist
- Power 4 Wheel Disk Brakes w/ABS
- Anti-Theft Alarm Sys. w/Anti-Tow Sensor
- Driver and Passenger Front Airbags
- Baby Smart Sys.(Front passenger seat)
- Integrated Blinkers in Side Mirrors
- Seat Belts w/Pre-Tensioners (in 4 outer seating positions)
- Corner Illuminating Front Fog Lamps
- Bi-Xenon Headlamps
- Stainless Steel Spare Tire Cover
- Front Headlights Washer System
- Second Row Center Shoulder Belt
- Window Airbag for 1st & 2nd Row
- Driver Side n ear Fog Lamp
- Rear Fog Lamp
- TeleAid
- Running Boards



### [OEM Window Sticker](#)

COMPLETED VEHICLE

EXTERIOR-INTERIOR PHOTOS



ALPINE'S BALLISTIC CHART

ALPINE ARMORING INC.

LEVEL	CALIBER	TYPE	MASS (gram)	MATERIAL	VELOCITY m/s (ft/s) (a)	SHOTS	UL (b)	NIJ (f)	CEN	DIN
A1	9 x 19 mm	Handgun (Pistol)	8	LCCJ	358 (1,175)	5 (e)	1	I, IIA, II	—	1
A2	.357 Magnum	Handgun (Pistol)	10.2	JSP	430 (1,410)	5 (e)	2	IIA, II	B1, B3	2
A3	.44 Magnum	Handgun (Revolver)	15.6	LWC	440 (1,443)	5 (e)	3	IIIA	B4	3
A4	9 x 19 mm	Sub-machinegun	8	LCCJ	427 (1,400)	5 (e)	6	IIIA	B2	—
A5	7.62 x 25 mm	Handgun (Tokorev)	5.5	LCSJ	488 (1,600)	5 (e)	—	—	—	—
A6	7.62 x 39 mm	AK-47 (HP Rifle)	9.7	SCCJ (d)	732 (2,400)	5 (e)	—	—	—	—
A7	.30 - 06	HP Rifle	11.7	JSP	774 (2,540)	5 (e)	4	—	—	—
A8	5.56 x 45 mm	HP Rifle (M-16)	3.6	LCCJ (d)	991 (3,250)	5 (e)	7	—	B5	4
A9	7.62 x 51 mm	HP Rifle / M193	9.7	LCSJ (d)	838 (2,750)	5 (e)	5, 8	III	B6	5
A10	.30 - 06	HP Rifle	10.8	AP (d)	869 (2,850)	3 (e)	—	IV	B7	—
SG	12 Gauge	Shotgun	28.3	Slug	503 (1,650)	3 (c)	SG	—	SG2	SG2

- UL:** Underwriters Laboratory, 752
- NIJ:** National Institute of Justice, 0108.01
- CEN:** European Standard
- DIN:** German Standards, 52290
- STANAG:** NATO

- 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
- (A)** Minimum Measured Velocity
- (B)** Ambient Temperature Only
- (C)** 11.4 cm Triangular Patter
- (D)** Military Ammunition, All Other Commercial
- (E)** Corners & Center of 11.4 Square Pattern
- (F)** Levels I, II, IIA & IIIA based on 1 of 2 Required Calibers of Ballistic Threat





# WARRANTY

**MERCEDES-BENZ G500**  
VIN: WDCUR49E28X176088

The vehicle above is under Alpine's premium warranty covering all its armored parts and labor as well as all added accessories for one full year, effective the date of final delivery to the client.

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

MANAGEMENT AUTHORIZED  
ALPINE ARMORING INC.  
HERNDON, VIRGINIA, USA

DATE SIGNED

Original Vehicle's [Title](#)

OEM's [Window Sticker](#)





# Certificate of Ballistic Standards

MERCEDES-BENZ G500

VIN: WDCYR49E28X176088

The vehicle above is hereby certified according to level **A9/B6+**. The materials, both opaque and transparent (including ballistic hardened steel, all glass and/or any special composite material), used in armoring this vehicle have been tested and certified by an authorized independent laboratory.

**CONVERSION:** Entire passenger area (Transparent and Opaque), roof, and especially floor, plus firewall and wheel wells. Battery, computer module and fuel tank are also protected.

- Full multi-hit (5 rounds) protection against high power rifles (A9/B6+), including **AK47, 7.62x39, 5.56x45, 7.62x51, M193 & M80 ball**
- All original glass is removed and replaced with high quality no spall NIJ tested Multi-layered ballistic polycarbonate/glass
- All opaque materials surrounding the passenger area are replaced with hardened ballistic NIJ certified steel
- All overlap areas are protected separately with multilayered padding on both sides
- Protection for the floor (against mines/fragmentation including two DM51 anti-personnel hand grenade) using multi-layer blanket (Kevlar)
- Protection for the roof (at an angle) using special ballistic composite material
- Fuel tank will be ballistically and independently protected all around
- Separate ballistic protection for the battery, black box/computer module
- Patented design armoring for firewall and all wheel wells

Management  
Alpine Armoring Inc.  
Herndon, Virginia, USA

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Date