



ARMORED CHEVROLET SUBURBAN LIMO

Typically Armored to Level **A9/B6+** Against 7.62x39, 5.56x45, 7.62x51, M193, & M80 ball. Can be Armored to Any Level.



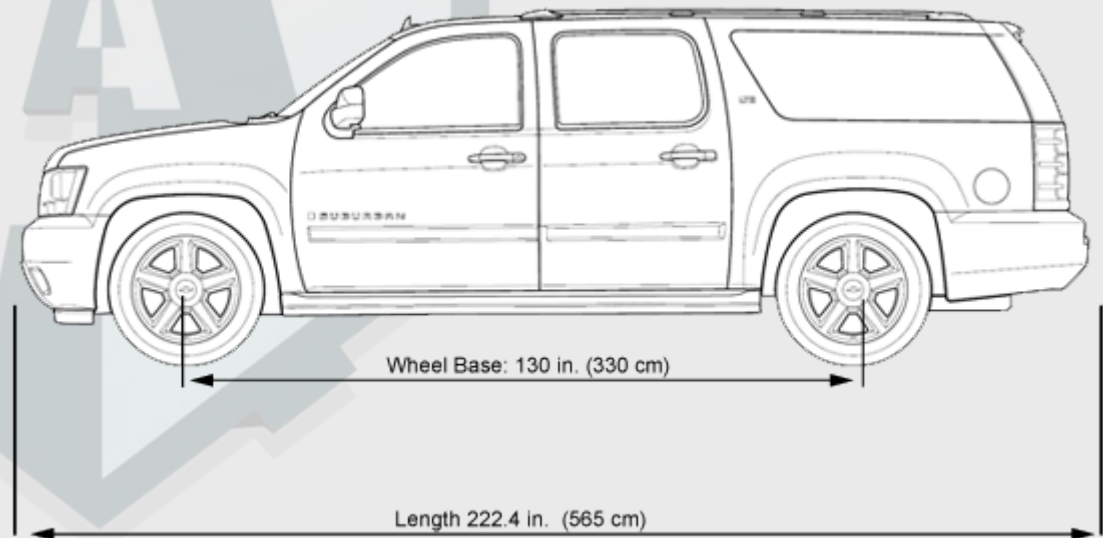
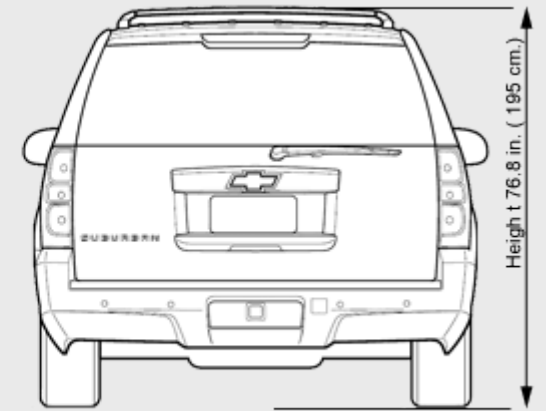
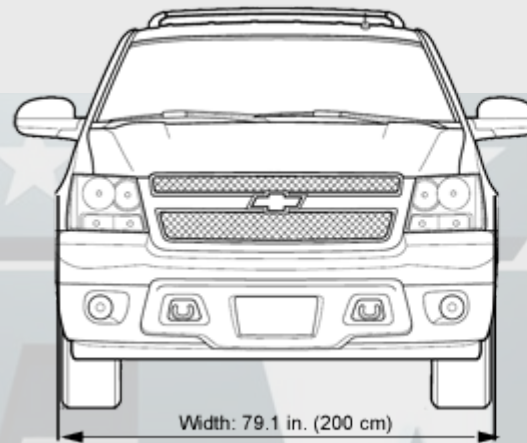
ALPINE ARMORING INC.

www.alpineco.com



BASE VEHICLE SPECIFICATIONS

- MAKE:** Chevrolet
- MODEL:** Suburban Limo
- YEAR:** Brand New
- ENGINE:** 6.2L V8 Gasoline
- POWER:** 352 hp @ 5,700 rpm
- TRANSMISSION:** 6-Speed Automatic
- COLOR:** Client's choice
- INTERIOR:** Custom Upholstery
- SEATING:** 2 + 2
- ARMORED WEIGHT:** 9,500 lbs. (4,300 kg.)





GENERAL ARMORING SPECIFICATIONS

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

B. Opaque Armor (see page 4-5)

- 4 mm certified ballistic steel used throughout entire vehicle
- Everything from the floor to the battery and fuel tank are protected
- All doors have ballistic steel overlaps

C. Transparent Armor (see page 6)

- 40 mm multi-hit certified ballistic glass/polycarbonate
- Anti-spall layer
- Multi-layered design for maximum protection

D. Additional Features (see page 7)

- P.A./Multi-siren system
- Built-in intercom system
- Strobes lights mounted behind grill to maintain stock look
- Four (4) run-flat wheel inserts installed
- Tailpipe protection
- Suspension upgrades

E. Limousine Conversion (see page 8-10)





DETAILED ARMORING SPECIFICATIONS

OPAQUE ARMOR

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



Firewall

Ballistic steel firewall provides protection up front



Roof

Roof is lined with ballistic steel at an angle



Floor

Entire floor is lined with ballistic steel



Doors

All doors are lined with ballistic steel



Angle Shot Protection

B pillar reinforcement to protect from angle shots



Heavy Duty Hinges

Custom hinges that will withstand the weight of the armored doors



Fender Armoring

Front side fenders lined with ballistic steel



Wheel Wells

Front and rear wheel wells are lined with ballistic steel





DETAILED ARMORING SPECIFICATIONS

OPAQUE ARMOR Continued



Armor Overlaps

Overlaps are used for all doors and windows



Modified Glass Anchoring

Uses ballistic steel to provide enhanced blast survivability



Rear Partition

Ballistic steel rear partition with swing door on it, using heavy duty hinges to accommodate the added weight



Fuel Tank Protection

Fuel tank is encased in ballistic steel



Battery Protection

Battery is encased in ballistic steel



Engine Computer Protection

ECU is encased in ballistic steel



DETAILED ARMORING SPECIFICATIONS

TRANSPARENT ARMOR

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



Glass Thickness
40 mm thick glass/polycarbonate



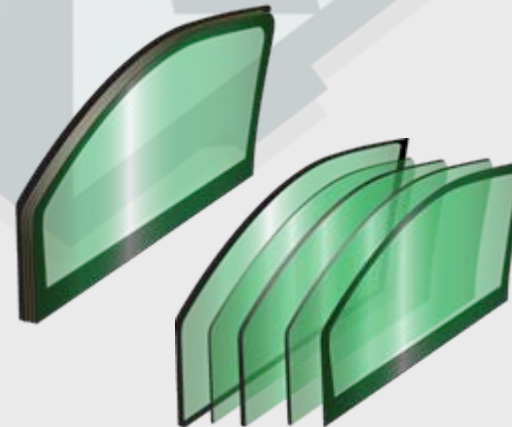
Multi-hit Protection
All windows are capable of sustaining multiple hits while providing protection to passengers



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



Power Windows
Lowers approx. 5 inches



Layered Design
Layered glass and composites protect against multiple hits, providing more time to escape.
Multi-Layered High Optics
Factory tinted Glass/Polycarbonate

"no one protects you better"





DETAILED ARMORING SPECIFICATIONS

ADDITIONAL FEATURES

D. Other features included are pictured below



P.A./Multi-Siren System

Features exterior mounted speaker/siren. Interior dash-mounted quick select siren and microphone



Strobe Lights

Strobes are mounted behind the front grill to maintain a low-profile look



Intercom System

Allows driver to communicate with people outside of the vehicle without opening any windows



Intercom Microphones

Mini microphones are installed outside and in the cabin



Run-Flat Inserts

Four (4) run-flats installed. Rated for 50km/h (30 miles @ 30mph)



Tailpipe Protection

Protects exhaust pipe from being sabotaged



Suspension Upgrades

All springs and shocks are replaced with upgraded models



Reinforced Bumpers

Additional reinforcement mounted behind bumpers. Maintains low-profile look





LIMOUSINE CONVERSION

FEATURES

E. Conversion Features and Options

- Driver Controlled Limo Touch Panel
- Controls privacy partition, rear cabin intercom, radio/TV, power, and battery



- Limo Touch System (Rear Cabin)
- Controls accent lights, bar lights, overhead ambient lighting, A/C , privacy partition, and driver cabin intercom system



"no one protects you better"



LIMOUSINE CONVERSION



Seating

Rear seats are full-sized captains chairs



Foot Rests

Custom retractable foot rests for added comfort



Seat Controls

Easy access controls for adjusting each rear seat



Table

Retractable custom wood reading/coffee table

LIMOUSINE CONVERSION (continued)

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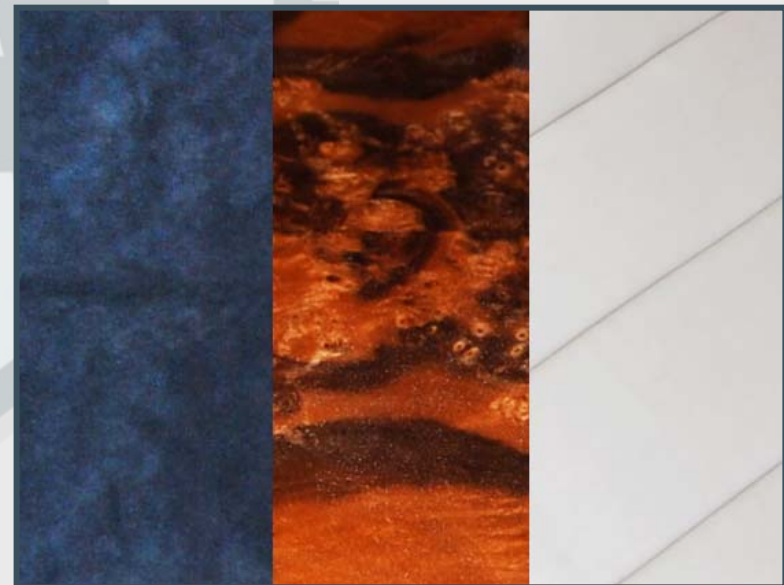
Entertainment
CD/DVD/AM/FM player installed (includes remote)



Privacy Partition
Motorized privacy wall includes built-in LCD TV



A/C System & Lighting
Independent controls for rear cabin w/reading lights



Trim
Suede liner, burl wood trim, and leather upholstery





GENERAL OEM SPECIFICATIONS

- 4-Wheel Anti-Lock Brakes (ABS)
- Remote Anti-Theft Alarm System
- Front/Rear Ventilated Disc Brakes
- Daytime Running Lights
- Engine Immobilizer
- Front Seatbelt Pretensioners
- Stability and Traction Control
- Electronic Brakeforce Distribution
- Front Height Adjustable Headrests
- Rear Height Adjustable Headrests
- Tire Pressure Monitoring
- Short and Long Arm Front Suspension
- Solid Live Axle Rear Suspension
- Front Independent Suspension
- Front and Rear Stabilizer Bar
- Locking Rear Differential
- Integrated Trailer Brake Controller
- Separate Rear Audio
- 6 Total Speakers
- AM/FM/CD Stereo System
- Adjustable Speed Sensitive Volume Control
- Auxiliary Audio Input and iPod Integration
- USB Connection
- Dual-Zone Air Conditioning
- Simulated Alloy Trim On Dash and Doors
- Front and Rear Reading Lights
- Leather Steering Wheel
- 6 -Way Power Front Bucket Seats
- Driver Seat Adjustable Lumbar Support
- Height Adjustable Front Seats
- Premium Cloth Upholstery
- Split-Folding Rear Seatback
- Folding with Storage Center Armrest
- Manual Folding Split-Bench Third Row Seats
- Rear Ventilation Ducts with Fan Control
- Power Mirrors
- Heated Mirrors
- Cruise Control
- Front Console with Storage
- Power Steering
- 12V Front and Cargo Area Power Outlets
- Tilt-Adjustable Steering Wheel
- Audio and Cruise Controls On Steering Wheel





COMPLETED VEHICLE

EXTERIOR-INTERIOR PHOTOS



"no one
protects you
better"





ALPINE'S BALLISTIC CHART

ALPINE ARMORING INC.

LEVEL	CALIBER	TYPE	WEAPON	BULLET	STANDARDS	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 Pattern

(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

"no one protects you better"





★ WARRANTY ★

CHEVROLET SUBURBAN LIMO

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

