



## **ARMORED CADILLAC ESCALADE ESV**

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



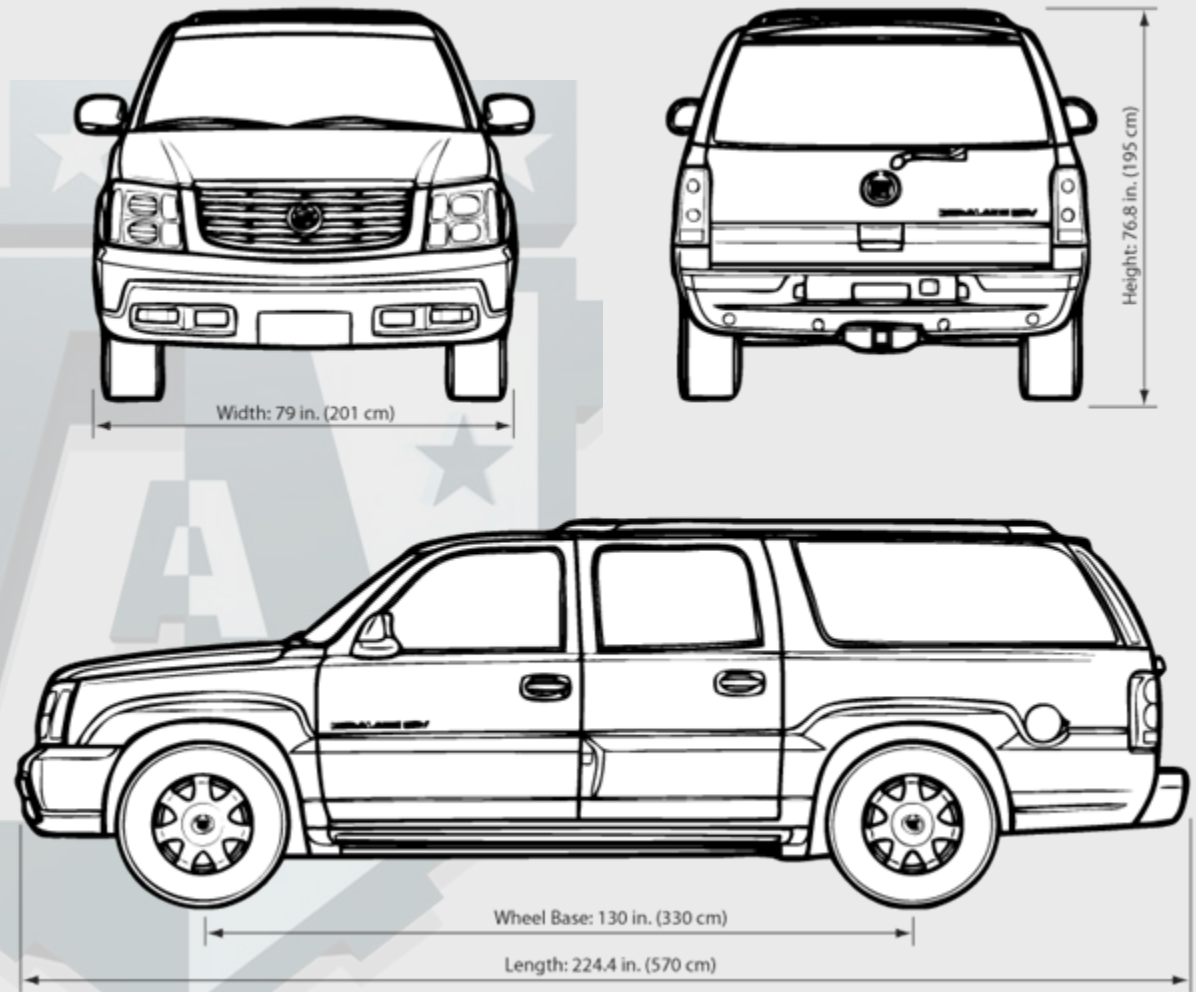
# **ALPINE ARMORING INC.**

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



## BASE VEHICLE SPECIFICATIONS

- MAKE:** Cadillac
- MODEL:** Escalade ESV
- YEAR:** Brand New
- ENGINE:** 6.2L V8 Gasoline
- POWER:** 403 hp @ 5,700 rpm
- TRANSMISSION:** 6-Speed Automatic
- COLOR:** Client's choice
- INTERIOR:** Leather upholstery
- SEATING:** 2 + 2 + 3
- ARMORED WEIGHT:** 8,920 lbs. (4,046 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





## 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



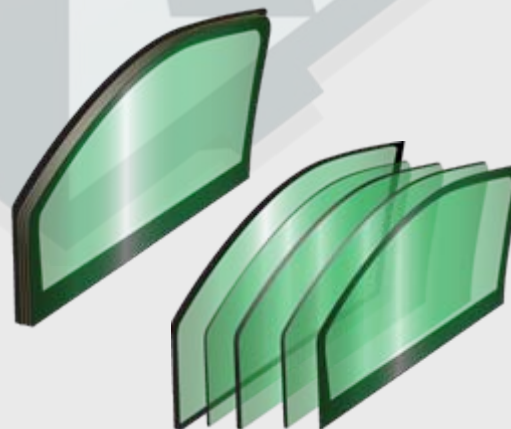
**Multi-hit Protection**  
All windows are capable of sustaining multiple hits while providing protection to passengers



**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





## 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



## GENERAL OEM SPECIFICATIONS

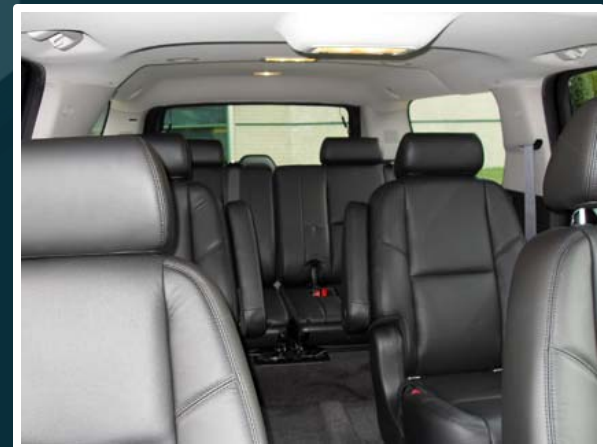
- 4-wheel Anti-Lock Braking System (ABS)
- 4-wheel Disc Brakes
- Front Suspension (coil springs)
- Rear Suspension (multi-link)
- Magnetic Ride Control Suspension
- StabiliTrak Electronic Stability Control System
- Traction Control System
- Locking Rear differential
- 22" Wheels
- LED Automatic Headlamps
- IntelliBeam Headlamps
- Daytime Running Lights
- Fog Lamps
- OnStar Support
- Tire Pressure Monitoring System
- Adaptive Remote Start
- Rearview Backup Camera
- Ultrasonic Rear Park Assist
- Full Size Spare Tire
- Side Blind Zone Alert
- Power-Retractable Running Boards
- Electrochromic Rearview Mirror
- Adjustable Pedals
- Power Lift Gate
- Dual Zone Climate Control
- Rear Climate Control
- Cruise Control
- Vehicle Anti-Theft System
- Front Reading Lamps
- Navigation System
- Premium AM/FM/CD/DVD/MP3 Stereo System
- Bose 5.1 Surround Sound System
- AudioPilot Noise Compensation Technology
- 10 speakers equalized to Escalade's interior
- Bluetooth Connectivity
- Two Roof-mounted Flip-down 8" Screens
- Four 2-channel Wireless Headphones
- Auxiliary Audio/Video Jacks
- Heated Adjustable Steering Wheel
- Leather Wrapped Steering Wheel
- Power Steering
- Remote Keyless Entry
- Power Door Locks
- Heated Mirrors
- Power Side Mirrors
- Heated and Cooled Cupholders
- Olive Ash and Burl Walnut Wood Trim
- TEHĀMA Leather First/Second Row Seating
- Power Driver/Passenger Bucket Seats
- Heated/Cooled Front Seats
- Driver Lumbar Support
- Passenger Lumbar Support
- Pass-Through Rear Seat
- Leather-Appointed Seats
- Rear Bucket Seats
- Rear-Seat Entertainment System
- Rear Seat Audio Controls
- Power-Release Fold-&-Tumble 2nd-Row Seats





COMPLETED VEHICLE

EXTERIOR-INTERIOR PHOTOS



"no one  
protects you  
better"





# ALPINE'S BALLISTIC CHART

ALPINE ARMORING INC.

LEVEL	CALIBER	TYPE	MASS (gram)	MATERIAL	VELOCITY m's (ft's) (a)	SHOTS	STANDARDS			
							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 ★

## CADILLAC ESCALADE ESV

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

