

## Mercedes-Benz S-500, Long-Wheel Base / Euro B6+ / NIJ III



Photos Taken of a Recently Armoured Mercedes-Benz S500 LWB to Level B6+, 2011 United Kingdom. All Rights Reserved.

### Armour Specifications:

#### Euro B6+ / Nij Iii: High-Powered Rifle

- (357) Magnum (full metal jacket, coned bullet, or soft core), 10.2 g, 425 m/s /1450 fps.
- (9mm) Luger (full metal jacket, round nose or soft core), 8 g., 400 ms / 1250 fps.
- (44 Magnum) (Full metal jacket, flat nose, or soft core), 15.6 g, 440 m/s / 1510 fps.
- (AK-47) 7.62 X 39mm, 145 gr., 700 mps / 2,430 fps
- (AK-47) 7.62 X 39mm, 123 gr., 750 mps / 2,697 fps
- (223) Caliber, 45 gr., 919 mps / 3,200 fps
- (308) 7.62 x 51mm (full metal jacket - copper, pointed bullet), 9.8 g, 820 m/s.
- (308) 7.62 x 51mm M80 (full metal jacket - steel, pointed bullet, or soft core), 9.5 g, 2,700 fps 830 m/s.

### Base Armouring Specification:

- 1) **Glass areas:** Bullet-resistant glass will be curved and contoured to retain the appearance of the original glass and body of vehicle. Glass with polycarbonate inner layers to prevent spalling upon ballistic impact.
- 2) **Body:** Doors, pillar posts, side panels, wheel wells, kick-panels, firewall, and headers (laterals) will be armoured to B6 level with Armormax® ballistic composite material, equivalent material, or ballistic steel.
- 3) **Weld Free® Process:** Our latest Weld Free® Process maintains ballistic integrity of armour.
- 4) **Overlaps:** Elitus® overlap system used throughout and finished with a French stitch.
- 5) **Roof:** Armormax® ballistic composite material to level of protection at a 30-degree angle.
- 6) **Floor:** Ballistic fragmentation material combined with Armormax® PAC100 (against two German DM-51).
- 7) **Door Supports:** Five-point inner-door support system with door over-extension straps.
- 8) **Modifications:** Custom pillar posts and heavy-duty hinges, high pressure heavy-duty shocks, upgraded coil spring suspension, upgraded metallic brake pads, heavy duty sway bars, and polyurethane bushings.
- 9) **Electronic Control Module and Battery Unit:** Protected to certified amour level.
- 10) **Fuel System:** Ballistic fragmentation blankets for explosion suppression. If available, locking fuel cap.
- 11) **Exhaust System:** Wire mesh tailpipe protection.
- 12) **Run Flat Bands** (set of 4).

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