



Aircraft Armor

Armour of America (AoA) has been involved in armoring fixed wing and rotary wing aircraft since 1971. AoA provides proprietary lightweight, custom designed, ballistic aviation protection systems. AoA has provided armor for hundreds of aircraft, working with both industry leaders and with military and law enforcement customers worldwide.



Aircraft Armor

AoA provides lightweight, custom designed, aviation ballistic protection systems. AoA is an international leader in the aviation armor industry having supplied dozens of countries with both rotary wing and fixed wing armor systems.

Our international customers include: Australia, Canada, Chile, Colombia, Brazil, Hong Kong, Japan, Spain, Sweden, Thailand, New Zealand and the United Nations (missions in Africa, Afghanistan and Iraq).

Armour of America's new, proprietary, environmental finish reduces weight and cost. Our armor panels comply with the following environmental tests per MIL-STD-810G:

High Temperature 501.5	Rain 506.5
Low Temperature 502-5	Vibration 514.6
Temperature Shock 503.5	Shock 516.6
Solar Radiation 505.5	Salt Fog 509.5
Humidity 507.5	Fungus 508.6
Contamination by Fluids 504.1	

MIL-C-25769 detergent	JP-8
AMS 1435 runway deicer	MIL-PRF-23699
MIL-PRF-83282D	AMS 1424
MIL-PRF-81322G	AMS 1428

We custom design our armor to defeat your threat with the lightest possible aerial density. The following table lists some common examples:

			lbs/ft ²	kg/m ²	mm
NIJ III	7.62X51 mm	M80 Ball	3.0	14.7	15
			3.6	17.6	17
			3.9	19.1	19
NIJ III +	7.62X39 mm	M1943	3.9	19.0	20
STANAG III-	7.62X63 APM2		7.6	37.1	24
NIJ IV+ /	7.62X54R AP		8.2	40.0	24

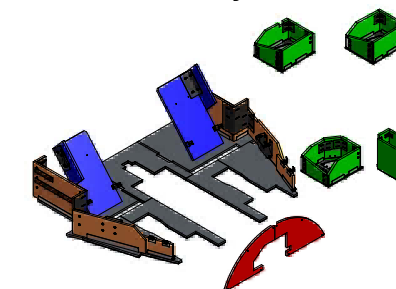
AoA is especially proud to have been selected to provide NIJ Level IV+ armor protection for the C-27J Joint Cargo Aircraft. We designed, manufactured, and installed armor protection for the radome, cockpit walls, cockpit floor, pilot and co-pilot seats, LOX bottles and GOX bottles. We also provide LOX bottle protection for the Boeing C17.

- Lightweight custom aircraft design
- Advanced ceramic and composite materials
- Stanag I, II and III-, NIJ III and IV
- Protection to 12.7 mm bullets
- Worldwide support

C-130H Armor Layout



C27J Armor Layout



MI-17 Armor Layout



UH-60 Armor Layout

