

OSG Armor

Oran Safety Glass Inc.



Transparent Armor for Military Vehicles



Bullet- and Blast-Resistant Glass

Oran Safety Glass, Inc. (OSG) is a world-leading supplier of transparent armor to military forces worldwide. Building on more than 25 years of proven field experience, our products are the result of intensive joint R&D programs conducted in coordination with the world's foremost militaries including U.S. military and the IDF (Israeli Defense Forces). Real-time battlefield feedback is processed and increasing threats are identified, allowing us to constantly create the most resistant and resilient products available.

OSG's transparent armor products offer protection of the highest standards in no-spall or low-spall configurations, assuring total security. Technologies implemented in our products combine extensive experience and continuous development, always incorporating the most sophisticated materials and advanced designs. Our products meet STANAG 4569 Standards (Levels 1 to 4), as well as equivalent U.S. military NIJ, European, German, Spanish, DoD UFC performance criteria and IDF standards for all threat levels.

OSG offers comprehensive armoring solutions from inception to delivery, including protection against bullets (BR), blast and fragments (FSP) and forced entry (FE). Our proprietary compositions assure the highest protection, even against multiple strikes at close spacing. Clients benefit from our extensive expertise in the design and construction of frames (steel or aluminum) and gaskets to assure seamless, effective protection and full integration.

Product Excellence

OSG products are capable of withstanding even the most harsh environmental conditions, ensuring effective, continuous and long-lasting safety. Products undergo rigorous performance testing, including tests at high and low temperatures (-50° c to +70° c). Tests are conducted to V-zero tolerance (zero penetration), resulting in ultimate protection of human life. The unsurpassed quality of our products in terms of clarity, consistency, light transmittance - even the thickest compositions - and night vision compatibility is immediately apparent. Additionally, OSG offers many features required in today's hostile environments, such as rapid heating/defrosting, diminution of 'spider cracks', attenuation of radio waves and electro-magnetic fields including infrared and other wavelengths, concealed antennas and abrasion resistance.

OSG Level	Corresponding Standards	Type of Weapon	Caliber	Ammunition Type	Velocity m/s ±10	Fragment	Velocity m/s ±10	Thickness mm	weight kg/m ²
4	"BR 4+" STANAG Level 1	Rifle AK 47	7.62 x 39	PS M1943	720	12.7mm FSP 20mm FSP	950 400	33 35	74 72
	EN BR 5 STANAG Level 1	Rifle M16	5.56 x 45	M193 SS 109	980 950	12.7mm FSP 20mm FSP	950 400	30 33 33	67 72 72
5	EN BR 6 STANAG Level 1	Rifle Nato	7.62 x 51	Ball - FMJ M80	830	12.7mm FSP 20mm FSP 12.7mm FSP	1100 650 1250	38 39 42	86 90 93
6	STANAG Level 2	Rifle AK 47	7.62 x 39	A.PI BZ M1943	720	12.7mm FSP	950	61	139
7	EN BR 7	Rifle Nato	7.62 x 51	A.P. M61	820	20mm FSP	1200	77	179
8		Rifle DRAGUNOV	7.62 x 54R	A.PI	860	20mm FSP	1250	82	189
9	STANAG Level 3	Rifle Nato	7.62 x 51	FFV / WCC TUNGSTENE	960		1300	103	230