



# CRYSTAL ARMOR™

TRANSPARENT ARMOR ACCORDING STANAG 4569/AEP55 2589



CRYSTAL ARMOR™ is an excellent, high transparent armored glass/polycarbonate laminate and has been successfully tested in major test institutes and proven used in battlefields.

The glasses can be eventually supplied in frames, with heating and several degrees of light transmission, even up to 90%.

For each class, CRYSTAL ARMOR™ can be supplied in advanced materials, which allow a reduction of approx. 10% in weight.

An EMI shielding can be integrated without any loss of light transmission.



CLASS	REF. NUMBER	TEST TEMP.	THICKNESS	KG/SQ.M.	RIFLE/ AMM.	SPEED M/S	ART. THREAT	SPEED M/S
LEVEL 1	ST01-1040 SM	-19 /+44 C	40 MM	90	7.62X51 BALL	833 +/-20	FSP 12.7 MM	310 +/-20
LEVEL 1	ST01-1047 SM	-32/ +49 C	47 MM	107	7.62X51 BALL	833 +/-20	FSP 20.0 MM	520 +/-20
LEVEL 1	ST01-1147 AM	-32/+49 C	47 MM	95	7.62X51 BALL	833 +/-20	FSP 20.0 MM	520 +/-20
LEVEL 2	ST02-2064 SM	-32/+49 C	64 MM	148	7.62X39 AP	695 +/-20	FSP 20.0 MM	630 +/-20
LEVEL 2	ST02-2164 AM	-32/+49 C	64 MM	131	7.62X39 AP	695 +/-20	FSP 20.0 MM	630 +/-20
LEVEL 3	ST03-20A SM	-32/+49 C	98 MM	230	7.62X51 WC	930 +/-20	FSP 20.0 MM	770 +/-20
LEVEL 3	ST03-3189 AM	-32/+49 C	90 MM	189	7.62X51 WC	930 +/-20	FSP 20.0 MM	770 +/-20

**SM: STANDARD MATERIALS**  
**AM: ADVANCED MATERIALS**



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