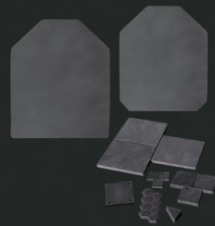


CARAPACE

Our Products *Our Pride*



B,C & SiC Ceramic



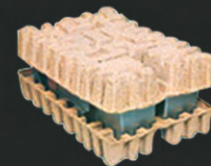
Ballistic Vests & Helmets



Hard Armour Plates



Tank & Artillery Ammunitions



Green Packaging



ISO 9001:2008 CERTIFIED

SM Pulp Packaging: Pioneering the field of vacuum formed molded products

SM Carapace Armor: Providing protection solutions to those who protect us

SM Engineers & Consultants: Providing turn-key project solutions

CARAPACE

SM Carapace Armor

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WEBSITE: www.smgroupindia.com | www.smcarapace.com



ARMOR PLATES



PROTECTING THOSE WHO PROTECT US



ISO 9001:2008 CERTIFIED

CaraPRO™

Polyethylene Inserts

The CaraPRO inserts made from “top-of-the-line” materials like Ultra High Molecular Weight Polyethylene (UHMWPE) have been developed keeping different combat situations in mind.

These high performance PE plates offer ultimate protection at lowest possible weights. Using nothing but the best materials and state of the art manufacturing facilities, these plates are tested and certified by world renowned laboratories.

CaraPRO armor plates have superior multi-hit protection capabilities with low trauma and offer safety from secondary fragments as well. These plates are resistant to UV radiations, oil, water, sunlight and temperature changes.



Ballistic Protection
NIJ III and III+

Shape :
Single Curve to Multi Curve

Size :
8" x 10", 10" x 12" or
Full Torso etc.



CaraSTOP™

Advance Ceramic Armor

CaraSTOP is the most advanced system to provide protection against deadly bullets like the Armor Piercing rounds. Using different high performance ceramics like Alumina, Silicon Carbide and Boron Carbide as the strike face backed with different composite constellations, SM Carapace brings across extremely cost-efficient ballistic defense through its CaraSTOP Armour Plates.

Competent of being used either with vests or as stand-alone, these plates are available in various shapes, sizes & specifications.

All our plates have been tested, certified and approved by world renowned laboratories and are now being used by customers worldwide.



Ballistic Protection
NIJ III, III+ and IV

Shape :
Single Curve to Multi Curve

Size :
8" x 10", 10" x 12" or
Full Torso etc.



ULTRALITE

FEATHER WEIGHT SOLUTIONS

Brand	Protection Level	Models	Weight (kg)	Nature	No of Shots	Ammunition (Type of Bullet/Weapon)
CaraPRO	NIJ Level III (0101.04)	UL-1000	1.00	ICW (Vest Dependent)	6	7.62X51mm Lead Core (NATO Ball, M80, SLR, L2A2) 7.62X39mm Lead Core (CJLC) 5.56X45mm Lead Core (M193, L2A1)
		UL-1000*	1.10			
		UL-1001-A*	1.20			
		UL-1002	1.40	Standalone		
	NIJ Level III + (0101.04)	UL-1003	1.30	ICW (Vest Dependent)	6	7.62X39mm Mild Steel Core (Kalashnikov, AK-47 MSC) + (NIJ LEVEL III)
		UL-1004	1.50	Standalone		
CaraSTOP	NIJ Level III ++ (Special Ammunition)	UL-7000	1.50	ICW (Vest Dependent)	6	NIJ Level III + SS109 + AK 47 MSC
		UL-7000*	1.70	Standalone		
		UL-7001	1.70	ICW (Vest Dependent)	6	NIJ Level III + AK 47 MSC + 5.56 INSAS + 7.62x39mm API BZ+ AK 47 Hard Steel Core
		UL-7002	1.90		6	7.62 x 54 mm R (Dragunov LPS Ball) 7.62 x 51 mm Ball (NATO Ball) 5.56 x 45 mm Steel Tip (SS109)
		UL-7003	2.30		6	7.62 x 39 mm AP (Kalashnikov, AK-47 AP) 7.62 x 39 mm Mild Steel Core (AK-47 MSC) 7.62 x 51 mm Lead Core (NATO Ball, M80, SLR,L2A2) 5.56 x 45 mm Steel Core (SS109, M855)
		UL-7004	2.50	Standalone		
	NIJ Level IV 0101.04	UL-5001	2.20	ICW (Vest Dependent)	1	7.62 x 63 mm AP (.30 Caliber M2 AP) + (NIJ Level III) + (NIJ Level III+)
		UL-5002	2.40		1	
		UL-5003	2.50		3	
		UL-5004	2.60	Standalone	1	
	NIJ Level IV + (Special Ammunition)	UL-6000	2.60	ICW (Vest Dependent)	1	7.62 x 54 mm B-32 API (Dragunov) + (NIJ Level IV)
		UL-6001	2.70	Standalone	1	

LITEWEIGHT

LIGHT WEIGHT SOLUTIONS

Brand	Protection Level	Models	Weight (kg)	Nature	No of Shots	Ammunition (Type of Bullet/Weapon)
CaraPRO	NIJ Level III (0101.04)	LW-2000	1.20	ICW (Vest Dependent)	6	7.62X51mm Lead Core (NATO Ball, M80, SLR, L2A2) 7.62X39mm Lead Core (CJLC) 5.56X45mm Lead Core (M193, L2A1)
		LW-2000*	1.30			
		LW-2001-A*	1.40			
		LW-2002	1.50	Standalone		
CaraSTOP	NIJ Level III + (0101.04)	LW-2003	1.40	ICW (Vest Dependent)	6	7.62X39mm Mild Steel Core (Kalashnikov, AK-47 MSC) + NIJ LEVEL III
		LW-2004	1.60	Standalone		
	NIJ Level III + + (Special Ammunition)	LW-8000	1.75	ICW (Vest Dependent)	6	NIJ Level III + SS109
		LW-8000*	1.90	Standalone		
		LW-8001	1.75	ICW (Vest Dependent)	6	NIJ Level III + SS109 + AK 47 MSC NIJ Level III + AK 47 MSC + SS109 + 7.62x39mm API BZ+ AK 47 Hard Steel Core
		LW-8002	1.80			
	NIJ Level IV 0101.04	LW-9000	2.50	ICW	1	7.62 x 63 mm AP (.30 Caliber M2 AP) + (NIJ Level III) + (NIJ Level III+)
		LW-9001	2.60	(Vest Dependent)	3	
		LW-9002	2.80	Standalone	1	
		LW-6600	3.00	ICW (Vest Dependent)	1	
		LW-6602A	3.30		1	
		LW-6602	3.30		3	

STANDARD

TOUCHSTONE SOLUTIONS

Brand	Protection Level	Models	Weight (kg)	Nature	No of Shots	Ammunition (Type of Bullet/Weapon)
CaraPRO	NIJ Level III (0101.04)	SD-3000	1.45	ICW (Vest Dependent)	6	7.62X51mm Lead Core (NATO Ball, M80, SLR, L2A2) 7.62X39mm Lead Core (CJLC) 5.56X45mm Lead Core (M193, L2A1)
		SD-3001	1.70	Standalone		
	NIJ Level III + (0101.04)	SD-3100	1.60	ICW (Vest Dependent)	6	7.62X39mm Mild Steel Core (Kalashnikov, AK-47 MSC) + (NIJ LEVEL III)
		SD-3101	1.80	Standalone		
CaraSTOP	NIJ Level III + + (Special Ammunition)	SD-8000	1.80	ICW (Vest Dependent)	6	NIJ Level III + SS109
		SD-7010	2.10			NIJ Level III + AK 47 MSC + 5.45 X 39mm
		SD-7011	2.20			NIJ Level III + AK 47 MSC + 5.56 INSAS + 7.62x39mm API BZ+ AK 47 Hard Steel Core
	NIJ Level IV 0101.04	SD-6600	3.00	ICW (Vest Dependent)	1	7.62 x 63 mm AP (.30 Caliber M2 AP) + (NIJ Level III) + (NIJ Level III+)
		SD-6602	3.30		3	
		SD-6603A	3.10	Standalone	1	
		SD-6604	3.50			

ECONOMICAL

EFFICIENT & COST EFFECTIVE SOLUTIONS

Brand	Protection Level	Models	Weight (kg)	Nature	No of Shots	Ammunition (Type of Bullet/Weapon)
CaraSTOP	NIJ Level III (0101.04)	EL-4000	2.10	ICW (Vest Dependent)	6	7.62X51mm Lead Core (NATO Ball, M80, SLR, L2A2) 7.62X39mm Lead Core (CJLC) 5.56X45mm Lead Core (M193, L2A1)
		EL-4001	2.40			
		EL-4002	2.40	Standalone		
		EL-4003	2.60			
	EL-4004	2.80				
		NIJ Level III + (0101.04)	EL-4100	2.10	ICW (Vest Dependent)	6
	EL-4101		2.40	Standalone		
	NIJ Level IV 0101.04	EL-6600	3.00	ICW (Vest Dependent)	1	7.62 x 63 mm AP (.30 Caliber M2 AP) + (NIJ Level III) + (NIJ Level III+)
EL-6603A		3.30	Standalone	1		

- The above rated protection for ICW (In Conjunction with) plates are applicable when they are used with NIJ Level IIIA Vest.
- All models have been quoted for a standard size of 25 X 30 cm and are available in both Single-Curve or Double-Curve/Multi-Curve Geometry
- Weight Tolerance: ± 5%
- * Models with Advanced Performance with multi-hit capability
- # Tested as per NIJ 0101.04

With in-house
developed technology, all
CARAPRO and CARASTOP
plates can be made
complaint to latest NIJ
0101.06 standard.