

# CARAPACE

# NAVAL ARMOUR



ARMORING SOLUTION  
FOR NAVAL PLATFORMS



SM Carapace offers wide range of customized light weight armor solutions for various naval vessels. Made from “top-of-the-line” materials like Ultra High Molecular Weight Polyethylene (UHMWPE), Boron Carbide etc., these solutions have been certified by world renowned testing laboratories and customers. These solutions provide protection to the vulnerable areas of the vessel from an extensive range of threats, including fragments, rifle fire, anti-ship missiles, armor piercing rounds, small arms and explosive blasts.

## Most Vulnerable Protection Areas

- Missile launch silos
- Ammunition storage compartments
- Command & Information Centers (CIC)/Cabins/Commanders Cabin
- Bridges
- External weapon positions
- Helicopter hangars

## Key Features

- Single panel size as large as 1.30m x 2.50m possible.
- Ready-to-mount Modular panels with easy fixing arrangements
- Built to sustain harsh sea environments
- Inert to sea water, sunlight, UV, Oils & even temperature changes
- Can be provided in ready-to-paint aluminum casing or any other special surface coatings.

## Protection features:

- Offer protection from AK47/Rifle fire.
- Multi-hit protection to various standards like NIJ Level IIIA/III/IV.

## Add-on weight of our solution against designated threats:

	Protection Level	Ammunition	Add-on weight (Kg/m <sup>2</sup> )
NIJ 0108.01	NIJ Level IIIA	.44 Magnum/ 9 mm from small arms	4.8 – 9.4
	NIJ Level III	7.62 NATO Ball from Rifle	14 – 20
	NIJ Level III+	7.62 NATO Ball / 7.62 MSC from AK 47	16 - 24
	NIJ Level III++	7.62 MSC from AK 47 / 5.56 SS109	22 - 32
	NIJ Level IV	7.62 M2 AP	32 - 44

With minimal add-on weights to the vessel, our solutions are the ultimate choice when protection is required without compromising performance, with only negligible effect on payload and speed.

## SM Carapace Armor

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