

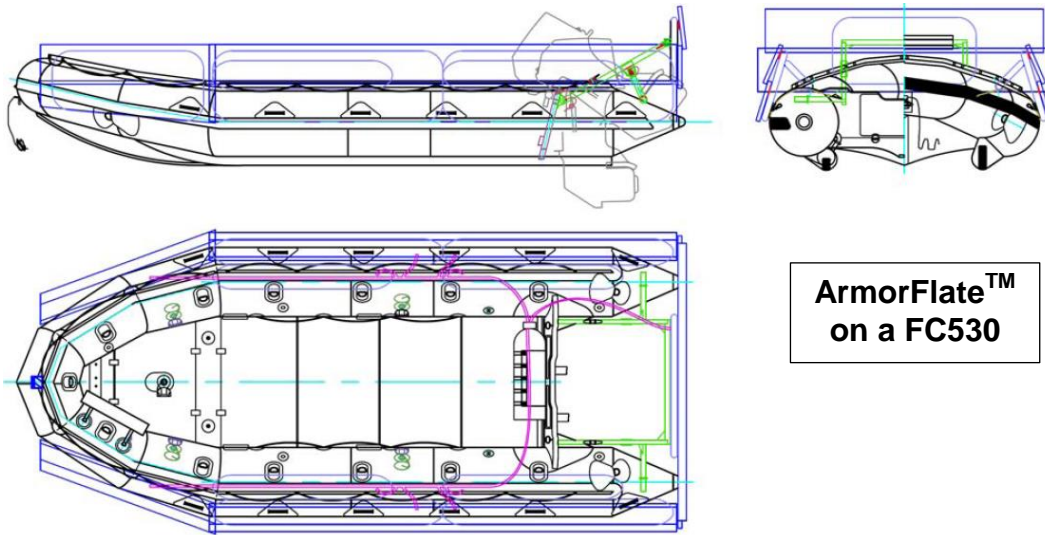
ARMORFLATE™ FOR FC 530

TECHNICAL DATA SHEET



The Zodiac ARMORFLATE™ SUPPORT PANEL is a fast deployment inflatable structure designed to hold armor material, so as to protect a static or dynamic raft and its crew.

- **Fast deployment**
- **Inflation manually triggered**
- **Protect Buoyancy tube, Engine and Crew**
- **Customizable level of protection**



**ArmorFlate™
on a FC530**

DESCRIPTION:

Zodiac inflatable panel system can hold different kind of armor material which combines high protection level and light weight. The rigid armor plates are simply inserted in holding pouches, distributed in several overlapping sections so they can fold when the system is deflated.

The armor plates are not provided by Zodiac Milpro as standard. You can choose the armor plates from various manufacturers using the specifications hereafter for their optimum dimensions and weight.

The Armorflate was designed for armor plates with the following optimum characteristics:

- *Plates thickness: 22 mm (± 1 mm) / 0.85 inch (± 0.04 inch)*
- *Density 21 kg/m² with a max of 24kg/m²*

For example one of our Armorflate™ system fitted with Dynema or Tencate armor plates has been successfully tested on a shooting range to stop 7.62 mm ammunitions (M80 ball at 2800 ft/sec). Moreover, their light weight allows offering a large protection area without impacting on the boat handling and performances.

***Inflation time for the ARMORFLATE™ on a ZODIAC Futura Commando 530 takes around 10s.
Strapping takes around 40 seconds for 2 persons.***

--- ARMORFLATE™ | Part detail ---

PROTECTION PANELS



- 2 HPP lateral support panels
- 2 HPP bow support panels
- 1 HPP aft engine support panel

Each High Pressure Performance (HPP) panel is doubled with an extra black fabric layer to increase the thickness and resistance.

INFLATION MANIFOLD COMPLETE:



- 1 first stage valve with 3 short high pressure hoses



- 2 main high pressure hoses (lateral inflation for Port & Starboard)



- 1 aft high pressure hose for aft protection



- 11 banjo elbow and 11 banjo valve adaptor (assembled on panels)

All the HPP panels are compartmented so that if any of them had to be deflated or punctured for any reason, the others would remain high pressured inflated.

OTHERS



AFT FRAME

- 2 "L" shape right angle aluminum frames
- 1 "U" shape aluminium frame

STRAPS

- 12 straps with buckle
- 12 straps without buckle



SCUBA BOTTLE SHEATH

- Scuba bottle sheath
- 6 plastic blocks
- 12 screws
- OPTIONNAL: Scuba bottle 15L



The fast inflation kit works with a standard 15L scuba bottle.



ArmoFlate folded



ArmorFlate deployed



Crew navigating with ArmorFlate deployed



Crew landing with ArmorFlate deployed



Aft protection while triggering the inflation



Aft protection seconds after inflation triggering



WARNING

THE ARMORFLATE™ SUPPORT PANEL SYSTEM OFFERS NO BALLISTIC PROTECTION WITHOUT BALLISTIC PANELS BEING INSERTED IN THE FRONT POCKETS. SEE BALLISTIC PANEL LABELS FOR PROTECTION LEVEL. THE ARMOR IS NOT INTENDED TO PROTECT AGAINST LARGER THREATS THAN INDICATED OR ARMOR PIERCING ROUNDS. SURVIVABILITY EQUIPMENT INCLUDING BODY ARMOR AND HELMET SHOULD BE WORN AT ALL TIMES.