CONSTRUCTION GUIDE

BUILT FROM THE INSIDE OUT.

What the Battle Boat and Battle Cat are made of, and why each choice was made.

T3
woven PVC tubes

0
glued air-chamber seams

10 PSI
drop-stitch floor

12
attempts to get the blue right

THERMAL-WELDED SEAMS

Every air-chamber seam is thermal-welded. Controlled heat fuses the PVC at the joint, so the seam does not depend on a layer of glue.

Why it matters
On a traditional inflatable, the fabric usually outlasts the adhesive. Heat, UV and moisture break glue down over time, which leads to leaks. A fused seam removes that weak point.

The result
A seam made to take years of inflating, deflating and marine use, and a slightly lighter boat.

T3 WOVEN PVC

The tubes are T3 woven PVC: a PVC fabric reinforced with woven fiber threading for strength and durability.

V-TEAK DROP-STITCH FLOOR

The floor uses drop-stitch construction, the same method found in premium inflatable paddleboards and docks. Inflated to 10 PSI, it feels close to a rigid floor. The surface is a faux-teak finish with textured, non-slip PVC for grip.

THE DETAILS

PROTECTION WHERE IT LANDS

Reinforced rubber

Heavy-duty, abrasion-resistant rubber runs along the underside at the high-contact areas. It takes the scrapes from beach launches, rocky shorelines, sandbars and docks so the PVC does not.

Carbon patch accents

Carbon-reinforced PVC patches sit at the attachment points: handles, splash flaps and pull points. They spread tension across the high-use areas.

AIR CHAMBERS AND VALVES

- Multiple independent air chambers in the tubes, inflated to 3.5 PSI.
- A dedicated valve for the high-pressure floor, inflated to 10 PSI.
- On the Battle Boat, a separate keel chamber at about 7 PSI that forms the V-hull.
- H3 Halkey-Roberts-style valves throughout, five to six depending on the model.

THE TRANSOM

Buoyant, marine-sealed and wrapped in a protective vinyl layer. Reinforced brackets tie it to the tubes and spread the load from the motor.

THE BLUE

Designed by Nick Lanfranco, the color comes from his blue-water diving trips: the place below the surface where clear aqua meets the deep blue beyond, with a subtle gray undertone. It took twelve attempts to get right. In a sea of white tenders, it stands out.

SEE EVERY DETAIL UP CLOSE

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