

TESTIMONIAL

Multitech Marine

ArmaPET® Struct Sandwich construction

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 **armacell®**
MAKING A DIFFERENCE AROUND THE WORLD

Full Yacht in PE

BACKGROUND

Multitech Marine in Mumbai set out to build a yacht using composite materials but faced challenges due to the use of PVC foam core. This caused issues with weight and resin absorption, increasing costs. To address this, they reviewed materials and processes, exploring alternatives and improving techniques to enhance quality and efficiency in yacht construction.

WHY ARMAPET?

Multitech Marine initially approached Armacell seeking a more sustainable core material, and our foam core made from 100% post-consumer PET perfectly aligned with their requirements. They were pleasantly surprised by the performance of our ArmaPET foam core in the marine market, noting, **“When we tried Armacell PET core, we realized all the advantages of the r-PET foam”**:

- Superior compatibility with resins and other composite construction materials.
- Wide availability in various sizes and thicknesses, backed by a world-class supply chain ensuring premium service.
- Excellent resistance to humidity and remarkable repairability; the foam core maintains strength and integrity even in high humidity conditions. Any minor defects can be easily repaired due to its thermoplastic properties.
- Exceptionally high mechanical properties and impact resistance.
- Multitech Marine discovered that Armacell's PET foam core exceeded their expectations, delivering outstanding performance and durability essential for marine applications.

And this is the final result!



ET Sandwich

by **MULTITECH MARINE (IN)**

“Based on Armacell technical advice, we decided to use ArmaPET Struct GR80 in 15mm, with our epoxy resin and advanced stitched fabric. The result was really high-end build, even better than what we imagined. Definitely a five-star product for me.”

Thank you, Multitech Marine, for placing your trust in us and choosing a more sustainable, recycled, and recyclable foam core for your boat construction. We are committed to supporting your environmentally conscious initiatives and look forward to continuing our partnership in advancing sustainable solutions in marine construction.

TO GO BEYOND BETTER

To support the Marine Market even further, our new foam core ARMAPET Struct GRX brings top of the line resin uptake, while keeping the strength that made ArmaPET famous:

- SUSTAINABLE
- Very low water absorption and does not rot
- Easy and cost-effective to repair
- Small variation in product properties
- Compatibility with gelcoats and resins
- Trustworthy global supply chain: 95% OTIF worldwide

ArmaPET foam cores offer versatile applications in complete boat construction. Here are some examples of specific applications where our clients are utilising our foam cores:

Where?	Transoms	Hull sides	Decks	Stringers/ Bulkheads	Consoles	Hatch lids
ArmaPET	GRX200 and 250	GRX85, 100 and 115	GRX100, 115 and 150	GRX 70 and 85	GRX 70, 85 and 100	GRX100 and 250



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ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With more than 3,300 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams, and generated net sales of EUR 806 million and an adjusted EBITDA of EUR 121 million in 2022. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

For more information, please visit:
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