

Set your sails free



**CORE
MATERIALS**

Tailored solutions for
MARINE

www.3Acorematerials.com

Best performance and value for Marine applications

Best total cost of ownership

Boats are designed to be strong and durable while aesthetics and performance are of equal importance. **3A Composites Core Materials** has the product portfolio, the expertise and the toolset to optimize the design of any sandwich structure for any aerospace application.

Our **AIREX®** and **BALTEK®** products offer you 6 top advantages:

- / Great strength and rigidity with lowest weight
- / Impact resistance and damage tolerance
- / Excellent fatigue and long-term stability
- / Ease of processing
- / Fuel savings and/or payload increase due to weight saving
- / Core materials from renewable resources

With our material solutions, product optimization, total cost and sustainability can be easily achieved on virtually any marine application, such as:

- / Recreational boats
- / Performance and racing boats
- / Super yachts
- / Cruise lines
- / Commercial and military vessels

3A Composites Core Materials offers the perfect sandwich solution for the following application segments:

- / Hull bottoms
- / Topsides
- / Decks
- / Transoms
- / Superstructures
- / Interiors
- / Stringers & bulkheads
- / Covers, hatches



Our Marine portfolio

Especially suitable materials

Applications	Key requirements
Hull bottoms BALTEK® SBC AIREX® C70	Impact resistance, strength, rigidity extremely strong and rigid good impact resistance
Topsides AIREX® T10 BALTEK® SBC AIREX® C70	Strength, rigidity, heat resistance cost efficient, light, heat resistant extremely strong and rigid especially light
Decks BALTEK® SBC AIREX® T10	Strength, stiffness, local compression extremely strong and rigid very good compression properties
Superstructures AIREX® T10 AIREX® C70	Lightweight cost efficient, light specifically light
Interiors AIREX® T10 AIREX® T90	Lightweight, possibly FST, cost efficient cost efficient, light light, fire resistant
Stringers & Bulkheads, Transoms AIREX® T10 BALTEK® SBC AIREX® PX AIREX® T92	light, fatigue resistant extremely strong and rigid six-glass reinforced urethane panel cost efficient high compression properties
Covers, hatches AIREX® T10	light, cost efficient, easy to process

Our core materials can be delivered with various finishing options for easy handling, efficient processing, maximum resin savings and best laminate aesthetics.

3A Composites Core Materials owns and manages through its forest companies, Plantabal S.A. and 3A Composites PNG Ltd., several thousand hectares of FSC®-certified balsa wood plantations in Ecuador (FSC-C019065) and Papua New Guinea (FSC-C125018).

3A Composites Core Materials is a global organizational unit within the 3A Composites Group, a part of Schweiter Technologies (SIX Swiss Exchange: SWTQ), with operations in Europe, the Americas, China, and Papua New Guinea.

Stronger, lighter, greener future

3A Composites Core Materials is a global leader with the broadest portfolio of high-performing and sustainable core materials with main focus on PET foam and balsa wood. We are the pioneers in sandwich technology with more than 80 years of experience.

Since the very beginning, our focus has been developing strong and solid, yet lightweight core materials, which allow manufacturing more durable, sustainable and energy-efficient end products for our customers. Our products also have the purpose of creating a stronger, lighter and greener future.

We have innovation deeply planted in our core

Each of our products is a result of profound expertise and advanced thinking of our engineers, working in partnership with our customers and leading experts and research institutes. We shape the industry trends and keep our offer at the cutting edge of technology.

We want to make the industry greener

Our commitment to sustainability is deeply ingrained in all aspects of our business, from developing sustainable products to protecting the natural environment and cultural heritage of the communities we work in.



The mark of responsible forestry



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