

Europe | Middle East | India | Africa

**Airex AG**

5643 Sins, Switzerland

T +41 41 789 66 00 | F +41 41 789 66 60

corematerials@3AComposites.com

North America | South America

**Baltek Inc.**

High Point, NC 27261, USA

T +1 336 398 1900 | F +1 336 398 1901

corematerials.americas@3AComposites.com

Asia | Australia | New Zealand

**3A Composites (China) Ltd.**

201201 Shanghai, China

T +86 21 585 86 006 | F +86 21 338 27 298

corematerials.asia@3AComposites.com



[www.3Acorematerials.com](http://www.3Acorematerials.com)



**Structurally sound**



**Tailored solutions for**  
**MARINE**

[www.3Acorematerials.com](http://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. With the **Hybrid Core Concept**<sup>®</sup>, **3A Composites Core Materials** has the product portfolio, the expertise and the toolset to optimize the design of any sandwich structure.

Our **AIREX**<sup>®</sup> and **BALTEK**<sup>®</sup> 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
<b>Hull bottoms</b> <b>BALTEK® SB</b> <b>AIREX® C70</b>	<b>Impact resistance, strength, rigidity</b> extremely strong and rigid good impact resistance
<b>Topsides</b> <b>AIREX® T92</b> <b>BALTEK® SB</b> <b>AIREX® C70</b>	<b>Strength, rigidity, heat resistance</b> cost efficient, light, heat resistant extremely strong and rigid especially light
<b>Decks</b> <b>BALTEK® SB</b> <b>AIREX® T92</b>	<b>Strength, stiffness, local compression</b> extremely strong and rigid very good compression properties
<b>Superstructures</b> <b>AIREX® T92</b> <b>AIREX® C70</b>	<b>Lightweight</b> cost efficient, light specifically light
<b>Interiors</b> <b>AIREX® T92</b> <b>AIREX® T90</b>	<b>Lightweight, FST, cost efficient</b> cost efficient, light light, fire resistant
<b>Stringers &amp; Bulkheads, Transoms</b> <b>AIREX® T92</b> <b>BALTEK® SB</b> <b>AIREX® PX</b>	light, fatigue resistant extremely strong and rigid standalone, rot-resistant panel cost efficient high compression properties
<b>Covers &amp; hatches</b> <b>BALTEK® SB</b>	cost efficient, rigid, heat resistant

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 75 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.

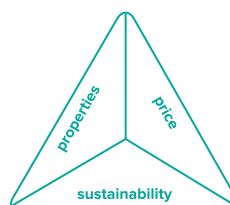
Our products also have the purpose of creating a stronger, lighter and greener future.

### 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.



Hybrid Core Concept®



The mark of responsible forestry



The mark of responsible forestry