

# Biocomposite CASING

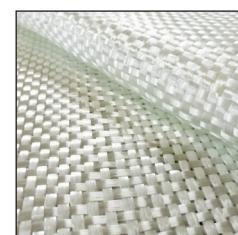
First rust-free HVAC casing made from innovative unibody panels that provides efficiency, sustainability and hygienic properties.



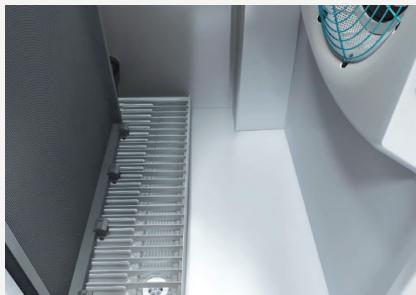
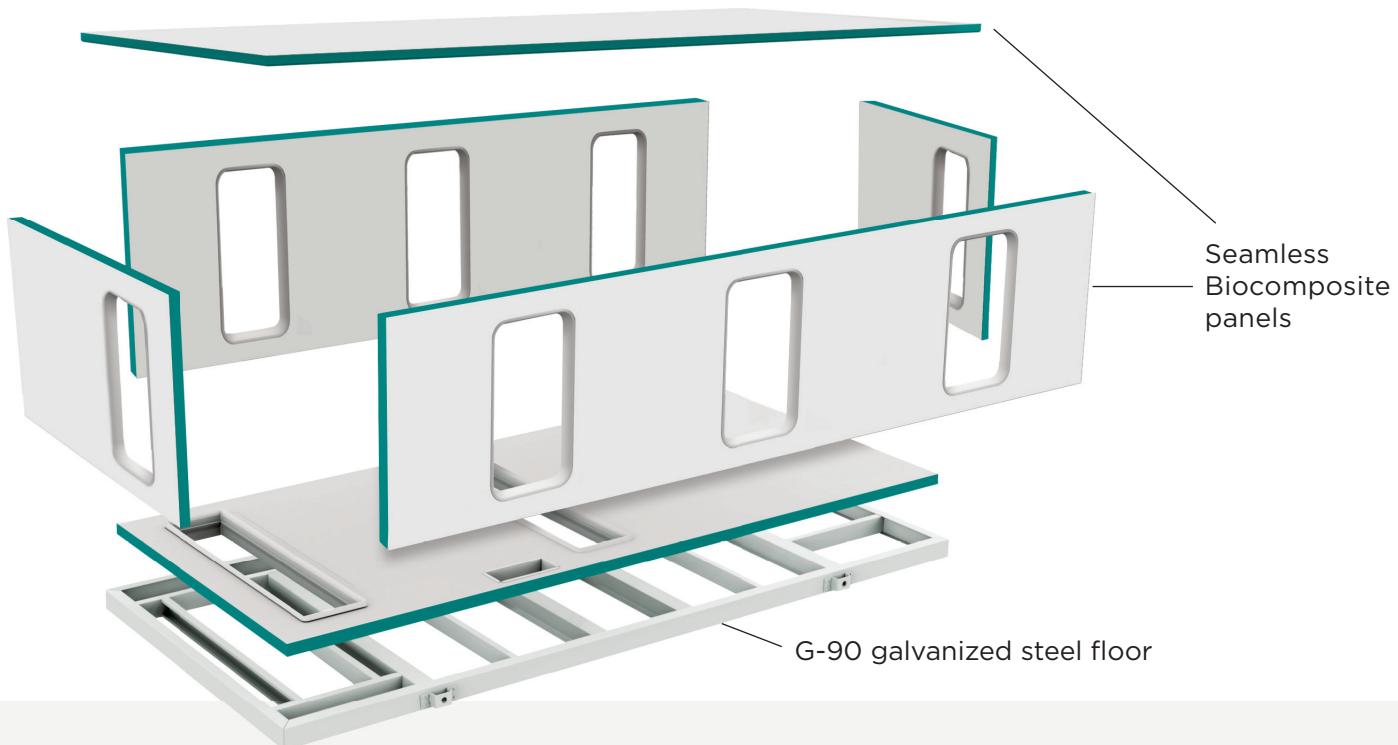
**35,000**

RECYCLED PLASTIC BOTTLES  
ARE USED TO INSULATE THIS  
UNIT'S CASING \*

A more sustainable  
way to design  
smarter buildings



# Smarter manufacturing, seamless design, lighter, stronger and greener.



## FEATURES

- The first 100% rust-free panel construction
- Innovative green stiff-core insulation made from recycled plastic bottles
- Minimal screw construction
- 2" R-14 or 3" R-21 Insulation
- Zero thermal bridging means zero condensation superior to class CB1 per AHRI 1350
- Hardened casing with incredible strength and rigidity superior to class CD1 per AHRI 1350
- Unibody panel construction for extra low leakage superior to class CL2 per AHRI 1350
- 1/8" thick self-leveling floor sealer poured in each unit section for a 100% leakproof floor
- Superior corrosion and UV resistance
- Significantly lighter than most competitors' steel casings
- Fire resistant panels tested per UL 723 or UL2043 and UL94-5VA per UL1995/60335-2-40
- Welded high rigidity G90 galvanized steel base

# A masterpiece in HVAC engineering

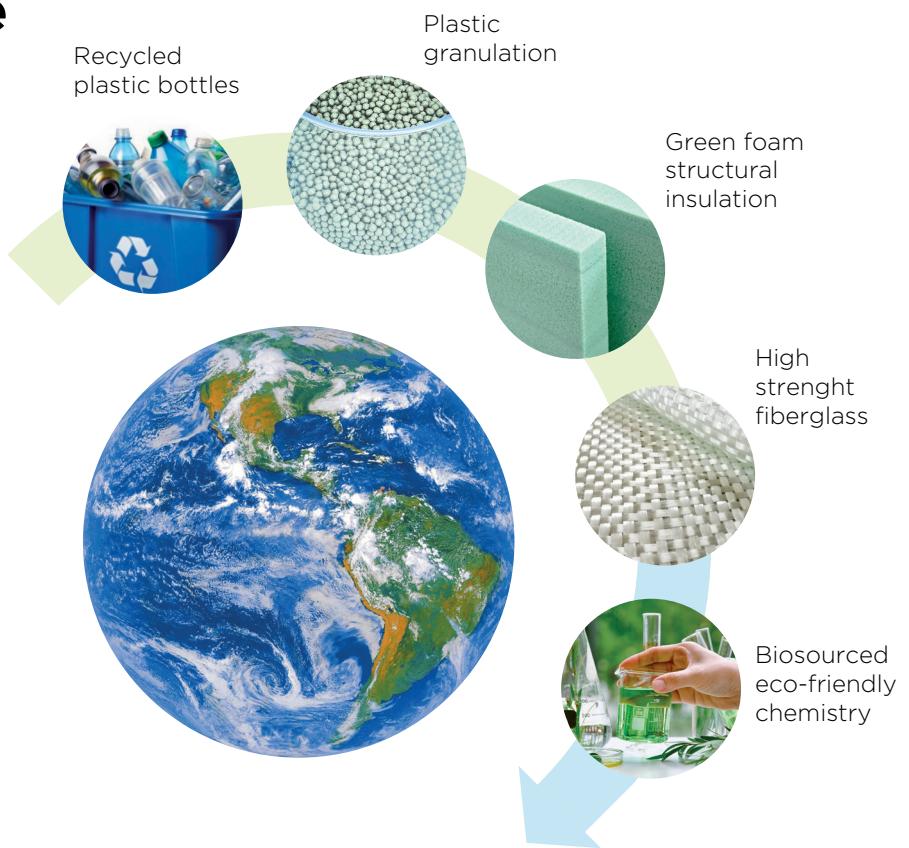
The result of 10 years of R&D and several million dollars in investment, this revolutionary new generation HVAC casing radically changes the basic rules and sets a new standard for comparison between the various manufacturers in our industry.

This new generation casing responds all the wishes expressed by building owners, consulting engineers, contractors, and service/ maintenance personnel. They want to see a product that combines sustainability, environmental responsibility, longevity, lightness, hygiene, ease of maintenance and, naturally, an affordable price.



# Finally: an alternative to metal casing has arrived!

By integrating Biocomposite technology with high-performance engineered composites, we've created a product that blends exceptional aesthetics with innovation—something metal could never achieve. Every detail has been meticulously crafted with no compromises. The sleek, rounded shapes offer a modern contrast to the outdated, boxy metal designs. We're proud to lead the charge in revitalizing and modernizing an industry that has long been stuck in tradition.



## Up to 45ft x 12.5ft panel in one piece

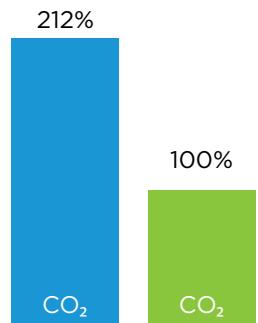


Our concept is inspired from the high-speed train industry, where each wagon is built by bonding together very long composite structural panels. Our precise mechanical assembly creates remarkably strong air handling units with deflection rates that outperform traditional units several times over.

# Designed for a better tomorrow

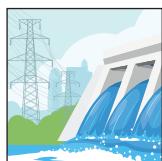
Using 100% recycled plastic bottles as the raw material base, Annexair panels deliver significant CO<sub>2</sub> emission savings compared to its most competitive materials currently on the market.

Environmental impact	Unit (100 kg of foam)	Annexair Green Foam	PU
Global warming (GWP100a)	kg CO <sub>2</sub> eq	300	635
Ozone layer depletion (ODP)	kg CFC-11 eq	2.01E-05	9.38E-05



The carbon footprint, or global warming potential (GWP100a), measures greenhouse gases, primarily CO<sub>2</sub>, released by human activities such as product manufacturing and transporting. It is typically expressed in tonnes of CO<sub>2</sub> and reflects a product's impact on global warming.

## Environmentally conscious manufacturing



Hydro Powered Factory

Annexair's plant is powered by hydroelectric energy, helping to reduce our carbon footprint.

Furthermore, the company is continuously working to support the 3R principles: Reduce, Reuse, and Recycle. For example, waste from panel fabrication is recycled into briquettes, giving plastic bottles a third life.

