

From Bottle to Boat – Gurit Kerdyn™ Green Sustainable Core for Brunswick Boating Group

Marine > Core

Target

Sustainable core solutions for production boat building in a world leader in recreational vessels

Solution

Convert to Gurit Kerdyn™ Green across all brands

Benefits

Kerdyn™ Green FR is made from up to 100% recycled PET, sourced from recycled plastic bottles



Brunswick Boat Group, headquartered in Knoxville, Tennessee, USA, is part of a larger corporation that has been in business since 1845, and has been involved in the marine industry for over sixty years. Brunswick is now the world's leader in recreational boats, marine engines, and marine parts and accessories. Gurit's Kerdyn™ PET structural foam is now used in their structural core applications, decks and parts.

As part of its dedication to sustainability, Brunswick has begun the transition from wood core used for added hull rigidity in many of its boats towards Gurit's Kerdyn™ Green PET structural foam, made of up to 100% recycled plastic bottles. Several of its boat manufacturing facilities have completed the conversion, and the balance will be completed in 2021.

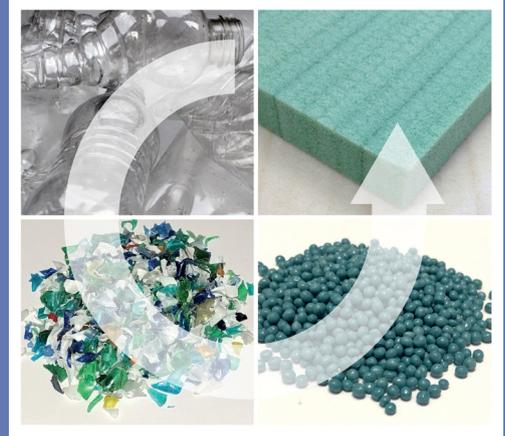
When full conversion is complete, the replacement of its current core materials with Kerdyn™ in their boat production operations will consume the equivalent of over 4 million recycled plastic bottles and save 7,000 trees annually.

Brunswick Boat Group's product line includes the well-known Boston Whaler, Bayliner, SeaRay, and Protector brands. Kerdyn™ PET is used in structural core applications, decks and parts.

How is Kerdyn™ Green FR made?

- Used plastic bottles are collected and crushed into flakes
- Gurit's in house granulator converts the flakes into pellets
- PET pellets are extruded into blocks of Kerdyn™ Green FR
- Blocks can be cut into sheets and various shapes/ profiles
- Any waste Kerdyn™ Green FR recovered from Gurit's production or customers can be recycled into new blocks

Right: Kerdyn™ Green FR manufacture process from bottle to sheet



“Our transition to Gurit’s Kerdyn™ core was seamless and the material processes beautifully. It also helps to achieve our long-term sustainability goals.”

Sean Minogue,
Advanced Manufacturing Manager, Brunswick Boat Group

<https://www.brunswick.com/>

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