# Checkerspot<sup>®</sup> MORE SUSTAINABLE, HIGH **PERFORMANCE MATERIALS**

Increasing Biobased & Recycled Content In Our Products

# Algae Oil & Polyol

Our biomanufactured algae oil is 100% biobased. It has been since we started producing it in 2018 and we intend to keep it that way.

Our AlgalPolyol 001 is made from our algae oil and contains 100% USDA certified biobased content. This certification is a part of the USDA BioPreferred<sup>™</sup> Program, which is helping communities by supporting the creation of a post-petroleum future and a regenerative biobased economy.



**100% BIOBASED** (ASTM D6866) **100% PETROLEUM FREE** 

## **Rigid PU Foam Systems**

Our Rigid PU Foam Systems are made from our AlgalPolyol 001, and contain up to 42% biobased content. We have 3 formulations that are USDA Certified Biobased Products.

#### Rigid PU Foam 1001



### Rigid PU Foam 1086

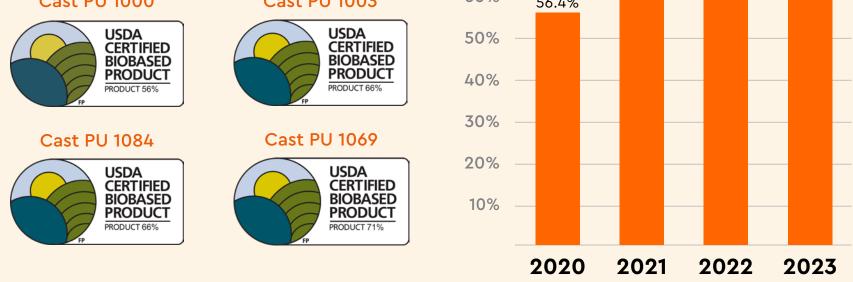


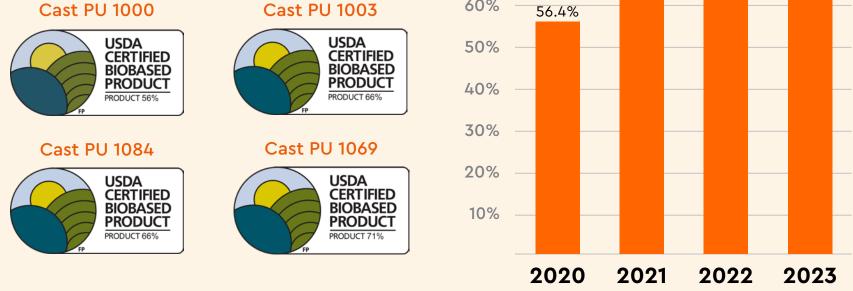
#### Rigid PU Foam 1094

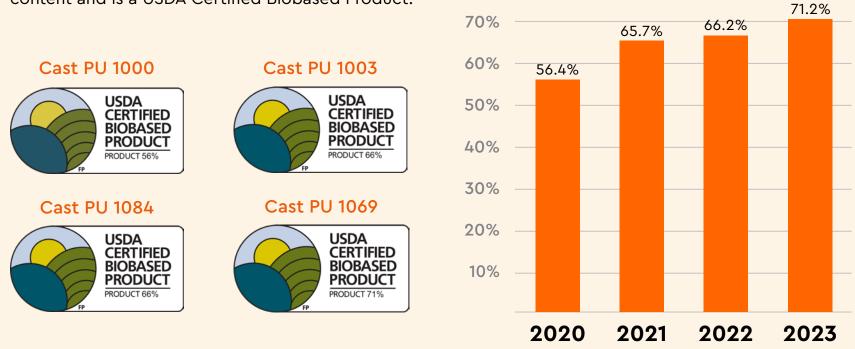


### **Cast PU Systems**

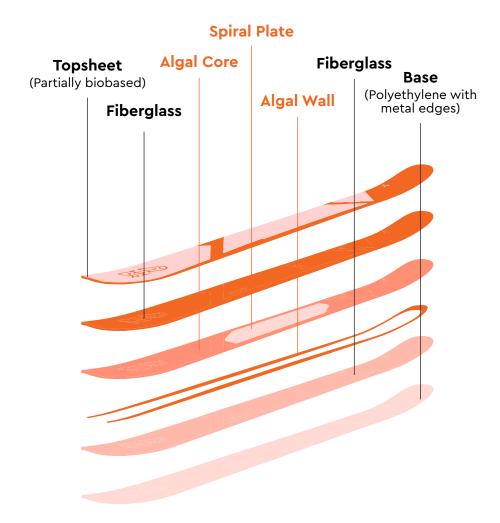
Our Cast PU Systems are made from our AlgalPolyol 001. One of our most recent formulations (Cast PU 1069) contains 71% biobased content and is a USDA Certified Biobased Product.



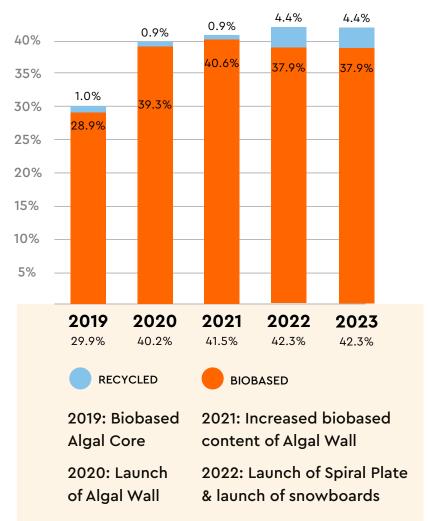




### Hardgoods



### WNDR HARDGOODS PRODUCTION



Launched in 2019, our brand WNDR<sup>®</sup> Alpine has been producing skis made from a mix of Rigid PU Foam, Cast PU, and other materials.

#### In 2022, it also started producing snowboards and splitboards.

Checkerspot<sup>®</sup> Rigid PU Foam is combined with domestically sourced aspen in a laminated composite to form the ski core, branded as Algal Core.

Checkerspot<sup>®</sup> Cast PU forms the ski sidewall that protects the core and improves damping, where it is branded as Algal Wall. When we began manufacturing skis in 2019, we had no alternative to the industry standard of petroleum-based ABS sidewall. However, we were able to replace the ABS sidewall in 2020 when we debuted Algal Wall. We have been increasing the biobased content of Algal Wall ever since, effectively taking the biobased content of the sidewall from 0% to 66% in four years.

In 2022, we sought to reduce the use of virgin inputs even further and introduced SpiralMade® composite, a new material made from our production waste otherwise destined for landfill. This recycled material is used to form our ski boot plate, known as the Spiral Plate, and snowboard insert pack, known as the Spiral Pack. With a higher binding screw retention strength, this recycled material innovation shows that performance versus sustainability is a false choice.

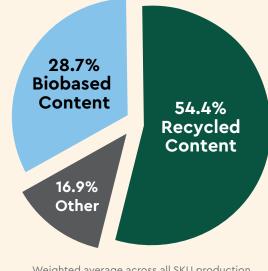
In support of our public benefit to develop more sustainable high performance materials, we've maintained or increased our combined biobased

Note: starting in 2022 when snowboards were released, the graph shows annual production as a weighted average of biobased and recycled content based on Reason 120 (184 cm) skis and Belletour 159 snowboard LCA results.

and recycled content year over year since the skis were first launched in 2019. In 2022, biobased content decreased while recycled inputs increased due largely to swapping the previous virgin wood boot plate with the new Spiral Plate made with recycled materials. Overall, the combined biobased and recycled content is ~42% by weight of the ski (Reason 120, 184 cm). In 2022, we introduced snowboards and splitboards. Because of this, we're updating the way we review our biobased and recycled content to be a weighted average across production.

### Softgoods

WNDR<sup>®</sup> Alpine launched softgoods in May 2023 with a line of technical apparel called the Phase Series. The apparel highlights miDori<sup>®</sup> bioWick WA, a 100% biobased textile finish that improves wicking and moisture management. 100% of the materials used in the Phase Series align with a Restricted Substances List - either bluesign or OEKO-TEX<sup>®</sup> Standard 100, which test and certify that products are free from harmful substances. We also track the biobased and recycled content of the textiles themselves. The Phase Series contains 54.4% recycled content versus an industry benchmark of only 4% (IFJ, 2023).



Weighted average across all SKU production of the Phase Series





For more information: hello@checkerspot.com