

ECO SIDEWALL

DEMONSTRATION OF INNOVATIVE SIDEWALL TOPICS

DIEHL
Aviation

SUSTAINABLE FEATURES



WEIGHT
SAVING



CO₂
SAVING



WASTE
REDUCTION



BIO-BASED
MATERIAL

CHARACTERISTICS

The *ECO* Sidewall is the most eco-efficient, innovative sidewall concept. The *ECO* Sidewall is the first key element in applying new technologies to other products, paving the way for a whole new generation of eco-friendly cabin designs. By creating a sustainable cabin platform, Diehl Aviation enables the possibility of customized products and supports its customers to achieve their individual sustainability goals.

BENEFITS

- Reduced kerosene consumption due to light weight design
- Reduces the number of CO₂-certificates required in the future
- Fair cost-benefit-ratio
- Eco-image for the airline
- Perfect fit to current cabin interior and industrial design
- Possibility to add an *ECO* icon on the decor
- Sustainable cabin platform enables the possibility to customize the *ECO* Sidewall to meet individual sustainability goals (e.g. lightweight, recyclable...)

SUSTAINABLE FEATURES*



WEIGHT
SAVING

The *ECO* Sidewall saves 10% weight through lightweight materials and design



CO₂
SAVING

The carbon footprint in the production is reduced by 19% and the carbon footprint during operation is also reduced through weight savings.



WASTE
REDUCTION

Prepreg trim waste is reduced by 33% using new technologies and avoiding unnecessary material usage.



BIO-BASED
MATERIAL

The *ECO* Sidewall uses 9% bio-based materials in order to lower the use of fossil resources

*More Infos about the Sustainability Features you can find here:

<https://www.diehl.com/aviation-highlights/en/eco-efficiency/>

** estimated for a current generation single aisle aircraft e.g. A321, operating on medium range missions, e.g. Paris-Istanbul, with an average operating hours of 3600 per year