



CABIN SOLUTIONS & AEROSTRUCTURES

FLAT PANELS.
DEEP KNOWLEDGE.

DID YOU KNOW...

THAT WHENEVER YOU FLY
WITH AN AIRBUS DESIGNED
AIRCRAFT, YOU STEP
ON FLOOR MADE BY EFW



More than

35,000

COMPONENTS PER MONTH

FROM FLAT
PANEL UP
TO FULLY
EQUIPPED
MONUMENT

More than

55,000

DIFFERENT
PARTS

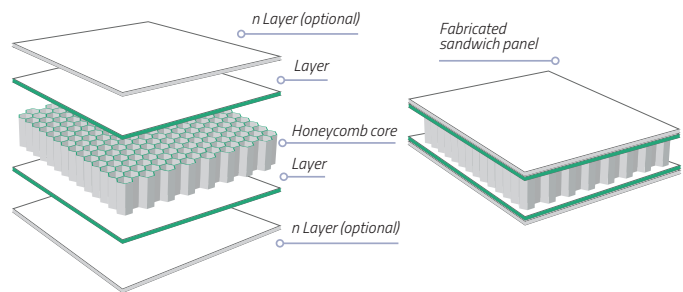


2

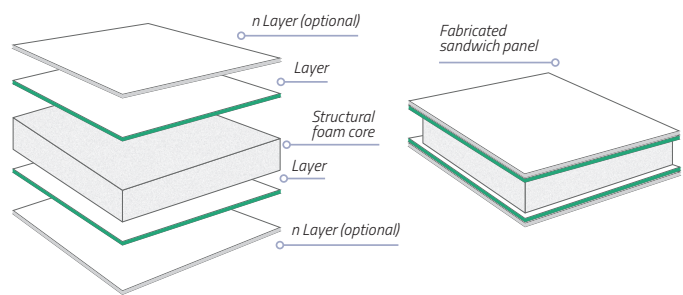
PRODUCTION SITES
IN GERMANY

LAY-UP

Complex Inside. Simple Outside.



Honeycomb lay-up



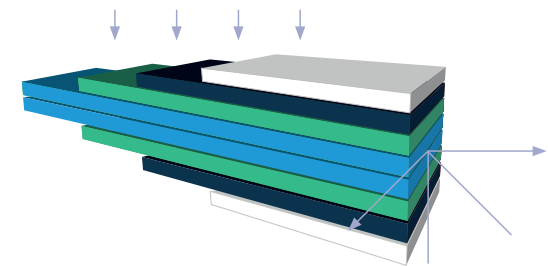
Foam lay-up

SANDWICH PANELS

are made from glass and carbon fibre layers or metallic sheets as skin. As core we use different materials, e. g. honeycomb or foam.

CFRP/GFRP LAMINATES

are made from combinations of woven or uni-directional oriented glass or carbon fibres in a duroplastic matrix. Laminates are manufactured under cleanroom conditions.



CFRP/GFRP laminate lay-up

GENERAL CHARACTERISTICS

- › Lay-ups & core arranged in a modular system for optimal sandwich lay up-design
- › Various decors depending on application: tedlar, décor foils, gloss and texture coatings
- › Flexible geometries and in-sandwich design features
- › Deliveries just in sequence ready for assembly
- › Design of integrated systems including attachment parts
- › From semi-finished panels up to drop-in panels

CERTIFIED DESIGN, PRODUCTION AND MAINTENANCE



EASA.21J.054
Development



DE.21G.0005
Manufacturing



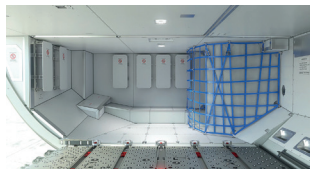
DE.145.0040
Maintenance

PRODUCT PORTFOLIO

EFW offers a wide variety of lightweight solutions for the aviation and tramway industries, including serial production and aftermarket solutions like replacement panels and customized parts - fitting your needs.

AIRCRAFT COMPONENTS

From floor panels and linings to cabin interiors, offering high durability with low weight and a high degree of functional integration of components.



PAX FLOOR SYSTEMS

- > Floor Panels
- > Heated Floor Panels
- > Semi-Finished Floor Panels

CABIN INTERIORS

- > Bullet-Proof Cockpit Doors
- > Courier Modules
- > Overhead Compartments
- > Crew Rest Compartments
- > Partitions
- > Housings
- > Monuments
- > Lavatory Walls

CARGO COMPARTMENTS

- > Floor Panels
- > Protection Panels
- > Decompression Panels
- > Ceiling Panels
- > Sidewall Linings

TRAMWAY COMPONENTS

Drop-in panels optimized for stiffness, dynamic load, peel resistance and thermal insulation



APPLICATION AREA

- > Linings
- > Floor Panels
- > Partition Walls
- > Walls in Sanitary Facilities
- > Heated Sandwich Panels
- > 3D Components
- > Entrance Ramp



weight



strength



stiffness



fire & smoke



reliability



non-toxicity



environment



acoustics

EFW AT A GLANCE



CABIN SOLUTIONS & AEROSTRUCTURES

Certified Production Organization DE.21G.0005



ENGINEERING SERVICES

Certified Design Organization EASA.21J.054



FREIGHTER CONVERSION

Certified Maintenance Organization DE.145.0040



MRO & CAMO

Certified Maintenance & Continuing Airworthiness Management Organization DE.145.0040 & DE.CAMO.0055

CUSTOMER BENEFITS

EFW covers the entire value-added chain in composite manufacturing.



Product optimization according to **your specifications**



Over 30 years of experience in composite manufacturing



Services from **R&D through production to installation**



High strength and stiffness combined with **minimized weight**



High level of **functional integration**



Delivery **just-in time, ready to install**, with all **needed functions**

CONTACT US

Elbe Flugzeugwerke GmbH
Cabin Solutions & Aerostructures
Grenzstraße 1
01109 Dresden/Germany

composites@efw.aero

www.efw.aero