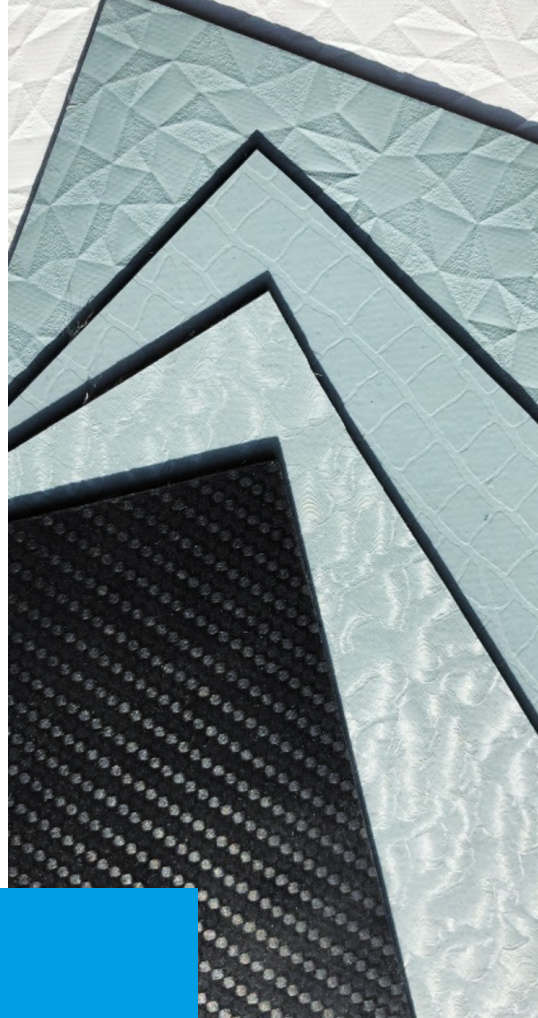




HÜBNER Bellows & Fabrics

- **HÜBNER EcoTex:** Sustainable fabrics
- Fabrics with **attractive colors & innovative design elements**
- **HÜBNER FusionTex Bellow:** Seamlessly joined fabrics

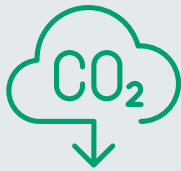


HÜBNER EcoTex: Sustainable fabrics

- Innovative elastomer coated textile
 - based on recycled polyamide yarns (e.g., from discarded fishing nets)
 - use of alternative cellulose-based raw materials, such as viscose
- EcoTex enables a reduction in CO₂ emissions during material production of up to 45%
- Solvent-free production process for improved environmental compatibility
- Fully equivalent replacement for conventional fabrics
- Meets all technical and functional requirements



Calculation of CO₂ Emissions in fabric production



Standard fabric

Step footprint per product unit

32,013.00 gCO₂e

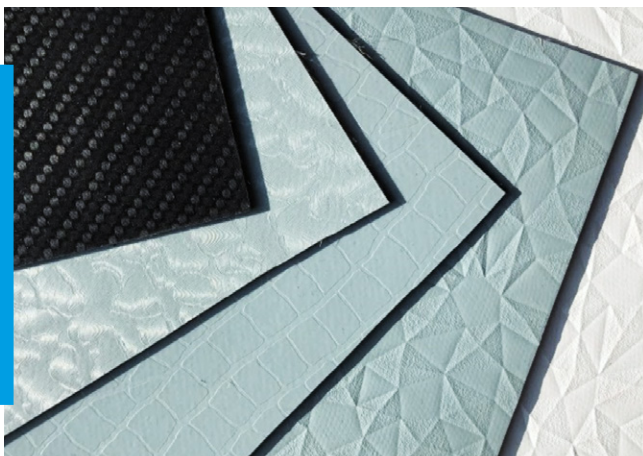
Fabric with recycled polyamid

Step footprint per product unit

16,850.00 gCO₂e

Sample calculation

Fabrics with attractive colors & innovative design elements



Variety

- Large selection of different colors and surface designs

Design

- Facetted look – an appealing design with great recognition value

Ambience

- Bright colors create a modern and attractive atmosphere

HÜBNER FusionTex Bellow: Seamlessly joined fabrics

Characteristics

- One-piece vulcanized section as alternative to multi-panel assembly
- Reduction of seams / mechanical interfaces in gangway fabric
- Bellow roof section and side-section connected via new joining method
- Elimination of sealing process at stitching lines
- Technology applicable for rolling stock in new build and service of existing fleets



Benefits

Durability

- Improved dynamics with reduced wear at critical interfaces and joining areas

Resilience

- Fewer joints and stitching lines ensure high material stability

Protection

- Enhanced resistance against water ingress and penetration by environmental influences

Design

- An appealing look without seams throughout the service life

Service

- Simplified visual inspection and maintenance activities

After successfully completing an extensive test-bench validation program in-house, the HÜBNER FusionTex Bellow has been installed with Stadler in August 2026 in a pilot train for on-track validation.

The bellow will be used in-service by Deutsche Bahn for a minimum period of one year.