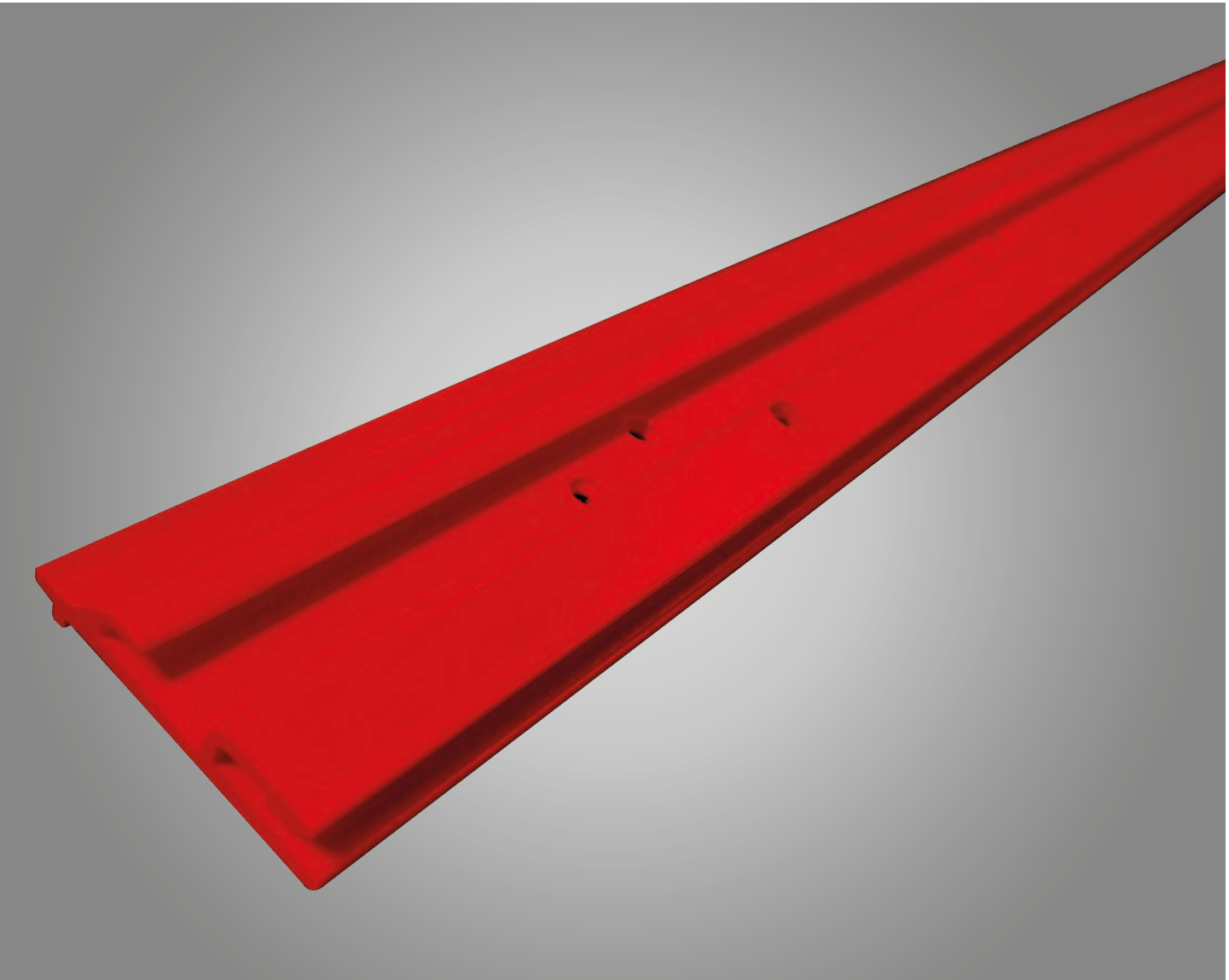
CASE STUDY

TECHNO COMPOSITES

The better solution.



Roller shutter housing connector

We worked with a customer from the construction sector to develop a GRP connecting element that optimally connects the window frame and window blind box. This transfers the high mechanical loads exerted by wind in an optimal way. At the same time, the GRP profile improves the insulation capability of the entire system. The GRP profiles are drilled and counterbored on a large scale using a CNC machine, thus making installation significantly easier for the workmen.

GRP-based design solutions for the construction industry

Your systems supplier for the construction sector.

In the construction industry, conventional materials such as steel, aluminium, PVC and wood only meet requirements for energy efficiency, durability, robustness, cost-effectiveness and low maintenance to a certain extent. By contrast, pultruded composite profiles can absorb high mechanical loads while also meeting insulation requirements.

Composite materials in the construction sector:

- Very good thermal insulation
- High impact strength
- Easy to use
- High-quality, paintable surfaces
- No corrosion
- Lightweight components
- Lots of design freedom

Quality management in accordance with

DIN EN ISO 9001:2015

Certified for bonding in accordance with

DIN 2304

Class S1

Bonding in accordance with DIN 2304 (Class S1)

We have been continuously expanding our expertise in the field of adhesive technology for years. A number of European Adhesive Engineers (EAE DVS-EWF 3309), European Adhesive Specialists (EAS DVS-EWF 3301) and European Adhesive Bonders (EAB DVS-EWF 3305) have been trained in the process.

Cutting-edge technology, vast expertise

When manufacturing pultruded profiles, the fire protection properties can be adapted to your requirements. We produce extremely high-quality surfaces that can then be painted for a textured or smooth finish. We machine the profiles with high precision using our modern 5-axis CNC machinery.

Certified quality management

Every TC component is developed in accordance with the applicable requirements and standards. We conduct careful testing and documentation as a matter of course. Certification according to DIN EN ISO 9001:2015 confirms that our quality management is sound.

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