

## Consumermarket "tegut" in Fulda, Germany

In 2000 a new tegut... food market was opened in Fulda (D). "Impressively designed", the client himself describes the conspicuous construction which makes use of silver-coloured textile membranes for the roofing and weather protection.

4 different structures are realized:

- 1,350 m<sup>2</sup> supermarket
- a roofed entrance area (206 m<sup>2</sup> with 6 high points)
- a petrol station (402 m<sup>2</sup>)
- an Off-licence (487 m<sup>2</sup>)



Whereas the individual roofing for the petrol station and the entrance area were realised using a single-sheet membrane made of plastic-coated polyester fabric, the supermarket and the off-licence were given double-sheet heat-insulated textile roofs.



The heat insulation features of single-layer membranes with k values of about 5-6 W/m<sup>2</sup>K are not adequate for permanently heated rooms. Using combined measures - two membrane layers, insulation and reflecting in-between layers - k values which are no worse than in a well-insulated roof construction can be achieved.

Project data

Architekt / Architect	Günter Peichl, Fulda
Konstruktion / Construction	Ing.-Büro Teschner
Statik / Statical Calculation	Ing.-Büro Teschner
ÜGF / Covered Area	insg. ca. 2.000 m <sup>2</sup>
Baujahr / Year of Construction	2000

