

KEY DATA FOR THE APARTMENT BUILDINGS IN TRIER

Client	Student Union Trier
Scope of Project	Turnkey Building
Building Class / Classification (Fire protection)	4

Completion	2015
Ready for Occupancy	4 months after completion of foundation slab

Energy supply	Air Water Heat Pumps, Photovoltaic (PV)
Energy efficiency	KfW40
Primary energy demand	14.0 kWh / m ² / a
Final energy demand	5.8 kWh / m ² / a
Final energy demand whole building	ca. 36.926 kWh / a
Performance PV system	ca. 61 %
Annual yield from PV system	ca. 46.000 kWh

Gross floor area	2.751 m ²
Net floor area	1.814 m ²
Number of floors	4
Total number of modules	96
Total number of single apartments	84 (disabled access: 9)
Total Technical and service rooms	4

Material Walls	cross-laminated timber
Material Facades (exterior/interior)	fibre cement boards
Material Staircases	exposed concrete
Material Floors	concret and cement screed with underfloor heating

Modular construction	Assembly of prefabricated components, delivered just in time, to the field factory line directly adjacent to the building site. Finally, positioning of the modules on the construction site to complete the building.
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