



# MULTITHERM® facade system

## A proprietary SOMMER profile system

Our steel or aluminium MULTITHERM® facade can be used as a conventional glass facade, fire protection facade or safety facade. In addition to providing robust protection, it is optimised for construction and fulfils all the requirements for post-and-beam construction.

### Highlights

- Steel-and-aluminium combination without bumps in the sealing level possible
- Materials used meet sustainability requirements in accordance with LEED or DGNB standards, for example
- Recyclable components
- Intrusion resistance to RC6, ballistic resistance to FB7, pressure wave resistance and F30 fire protection Requirements can be combined
- High heat insulation
- Can be installed on all steel spars

# MULTITHERM<sup>®</sup> facade system

## Technical data



### DESCRIPTION

The steel or aluminium SOMMER MULTITHERM<sup>®</sup> system offers robust protection and meets all the construction-optimised requirements for a facade:

- CE mark per DIN EN 13830
- Impact rainproof to Class RE<sub>1200</sub> per EN 12154
- Air permeability to Class AE<sub>1200</sub> per EN 12152
- Resistance to gusts 2000/3300 Pa per EN 13116
- High heat insulation

### VERSION

- As balustrade element
- As floor-to-ceiling facade
- Cross-floor
- As insulated, ventilated and insulated/venti-
- Also in angled or bay window versions with secured floor and roof
- With interior/exterior compartment wall connections and passages without security constraints
- Attack-side safety passages without external glass offset
- Section widths of 60 and 80 mm

### REQUIREMENTS

- Fire protection F30 per DIN 4102
- Intrusion resistance to RC6 per EN 1627
- Escape resistance to RC4 per EN 1627
- Ballistic resistance to FB7 NS per EN 1522
- Pressure wave resistance per EN 13123, GSA or building requirement
- Noise protection (depending on the design)
- Heat protection (depending on the design)

### SIZE RANGES

Depends on the building and the desired properties, per static requirements

### STRUCTURAL ATTACHMENTS

- Masonry
- Concrete/reinforced concrete
- Steel construction

### SECTION WIDTHS

60 and 80 mm

### OPTIONAL EQUIPMENT

- 1- or 2-leaf opening wing or sliding doors
- Electric security system and video surveillance
- Sunshades
- Glass breakage detector
- Access monitoring
- Control for doors and windows
- Ventilation flaps/grilles
- Smoke extraction/air vent openings