



# MULTITHERM® glass roof

## A proprietary SOMMER profile system

Our MULTITHERM® system offers ideal properties for the realisation of SOMMER glass roofs made of steel and aluminium.

### Highlights

- Fire resistant, with retention of functions of complete system tested to 90 minutes
- General Type Approval Z-19.14-1610 per DIN 4102-13 (F30)
- Self-supporting construction without supports
- No visual limitations (visible width 60 mm)
- For use inside and outside buildings
- Many different versions available

# MULTITHERM® glass roof

## Technical data



### PRODUCT PROPERTIES

Per DIN EN 13830 (CE mark)

- |                            |                             |                        |   |
|----------------------------|-----------------------------|------------------------|---|
| ▪ Air sealing              | Class AE1200 (per EN 12152) | ▪ Resistance to gusts: | Rated load: ± 2000 Pa (EN 13116)<br>Safety load: ± 3000 Pa (EN 13116) |
| ▪ Downpour impermeability: | Class RE1200 (per EN 12154) | ▪ Impact resistance:   | Class I5/E5 (per EN 13830)  |

### ROOF VERSIONS

- Flat/pent roof



- Saddle roof



- Barrel roof



- Square/polygon pyramid



### REQUIREMENTS

- |   |  |
|---|--|
| ▪ Fire protection F30, G30, F90 per DIN 4102-13 | ▪ Pressure wave resistance per EN 13123, GSA, building requirement |
| ▪ Intrusion resistance to RC6 per EN 1627       | ▪ Noise protection   |
| ▪ Ballistic resistance to FB7 NS per EN 1522    |  |

### DIMENSIONS, F30 ROOF (STANDARD ROOF WITHOUT RESTRICTIONS)

- |  |  |
|--|--|
| ▪ Installation angle: 0° to 80° roof slope                                 | ▪ Max. interval of main spars: 1230 mm |
| ▪ Max. span of main spars: 4000 mm<br>(4500 mm if main spars are sheathed) | ▪ Max. length: unrestricted            |

### STRUCTURAL ATTACHMENTS

- |           |            |   |
|-----------|------------|---|
| ▪ Masonry | ▪ Concrete | ▪ Sheathed steel spars (min. fire resistance class F60-A/F90-A) |
|-----------|------------|---|

### SECTION WIDTHS

- |                               |  |
|-------------------------------|--|
| ▪ Double pane insulated glass | ▪ Triple pane insulated glass for fire protection with building-specific type approval |
|-------------------------------|--|

### OPTIONAL EQUIPMENT

- |                           |                     |                                      |
|---------------------------|---------------------|--------------------------------------|
| ▪ Sunshades               | ▪ Access monitoring | ▪ Ventilation flaps/grilles          |
| ▪ Glass breakage detector | ▪ Window control    | ▪ Smoke extraction/air vent openings |