GLASS ROOFS

The curtain wall systems THERM® A-I, S-I and H-I for aluminium, steel and timber structures provide ideal characteristics for the erection of glass roofs. The tried and tested RAICO glazing and sealing technology assures a safe and easily executable solution for any construction and roof shape with an inclination of down to 2 degrees.

The special advantages

- The system structure is identical to the THERM® standard systems, providing glass roofs with the same characteristics and applications as curtain walling
- Tested with an inclination of only 2 degrees, with outstanding results and classifications
- Accessories such as sun protection devices and building connection components were included in the testing
- The execution is feasible with special bevelled pressure profiles, flat pressure profiles, silicone joints or any combination of these
- Openings at the end of the pressure profiles drain screens and prevent stagnant water
- Execution possible in burglary prevention class WK2 and WK3
- For ventilation or smoke and heat control the insertion window WING 105 D, also tested with an inclination of 2 degrees, presents a technically viable and optically perfect solution
- Results for a glass roof tested with an inclination of 2 degrees:
  - Resistance against wind load: 2000 Pa / 3000 Pa
  - Air permeability: AE (> 600 Pa)
  - Water penetration: RE 1050

CONSERVATORIES

CLIMA

The CLIMA conservatory system is an extension of the THERM® curtain wall system. It offers well-studied detail solutions with perfect optical appearance and the maximum of individual design possibilities. Only a few additional multifunctional items turn the curtain wall system into a complete and comprehensive conservatory system. The execution is feasible in unitised assembly with window units in the vertical area or as a stick system construction.

The special advantages

- Maximum processing reliability and functional safety for all conservatory designs
- Only a few multifunctional components enable the entire fabrication without any folded aluminium sheet or special profiles for nearly all conservatory types
- Very attractive design with slim frame widths
- Extremely high quality in mechanical and thermal insulation characteristics
- The execution in unitised or stick system construction offers wide planning freedom for any requirement

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