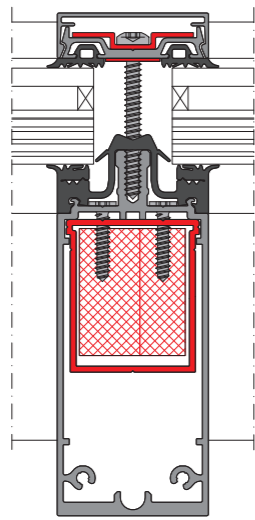


FIRE RESISTANT CURTAIN WALL

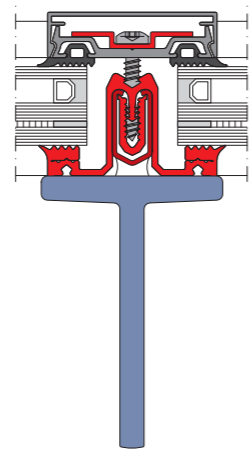
BURGLARY RESISTANT CURTAIN WALL

Only minor additions to the THERM⁺ base systems are required to execute THERM⁺ as a fire resistant curtain wall in various protection classes. The maximum size of the panes provides a new dimension in fire protection: with the tested and approved panes of 1500 x 3000 mm in vertical and horizontal format even storey high glazing is possible. The visual appearance of the fire resistant curtain wall is identical to the standard systems.

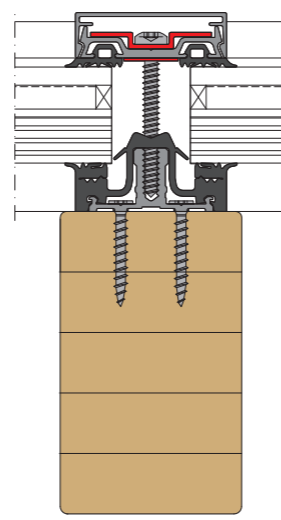
Complemented by only a few additional system components any of the THERM⁺ curtain wall series can be executed with burglary resistant properties in classes WK2 or WK3. For a maximum freedom in design any of the system widths and all pressure profiles with visible screws or with cover profiles as well as the flat pressure profile (WK2) can be applied. For glass roofs the execution in class WK2 and WK3 is possible, too



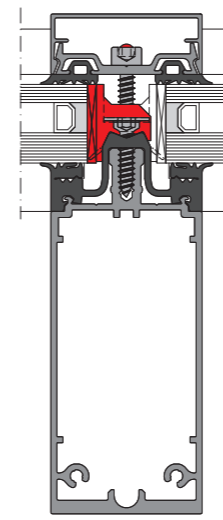
THERM⁺ 50/56 A-I
class EI30



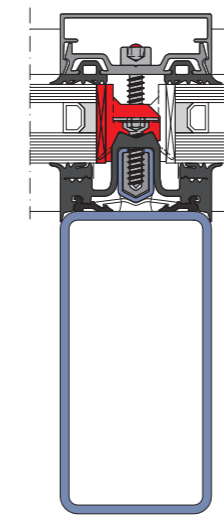
RAICOTHERM 50/56 S-I
class G30



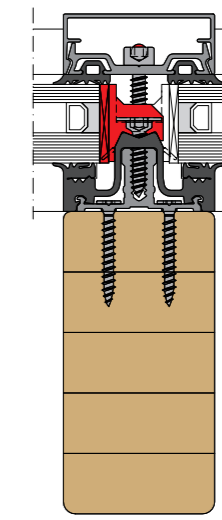
THERM⁺ 50/56 H-I
class E30 / EI30



THERM⁺ 50/56 A-I
THERM⁺ 50/56 A-V



THERM⁺ 50/56/76 S-I



THERM⁺ 50/56/76 H-I
THERM⁺ 50/56 H-V

- Aluminium: class EI 30
- Steel: class G 30
- Timber: class EI 30 and E 30
- For glass dimensions up to 1.5 x 3.0 m (aluminium and timber)
- Only few additional items required

The special advantages

- The design of fire protection curtain wall in aluminium and timber is identical to the standard systems, thus requiring a minimum of additional cost and fabrication effort
- No visual difference between the variations
- All standard structural profiles and interior and exterior gaskets can be applied, leading to production and assembly as efficient as with the standard systems
- Maximum freedom in design with any cover profile
- Additional items to the standard system:
 - Aluminium:** Insertion profile with silicate insert, short pieces of s/s reinforcement for pressure profiles, intumescent fire protection strip in the rebate
 - Steel:** base profile, interior gasket, s/s reinforcement for pressure profile
 - Timber:** short pieces of s/s reinforcement for pressure profiles, intumescent fire protection strip in the rebate

Technical data:

	THERM ⁺ A-I	RAICOTHERM S-I	THERM ⁺ H-I
System width	50 and 56 mm	50 and 56 mm	50 and 56 mm Structural profiles from 60 mm
Fire resistance class	EI30	G30	E30 / EI30
Max. glass formats	1500 x 3000 mm, Horizontal and vertical	1200 x 2000 mm, Horizontal and vertical	1500 x 3000 mm, Horizontal and vertical
General approval	Germany: in process Austria: issued	Issued for Germany, Switzerland and Austria	Germany: in process Austria: issued

The special advantages

- Extension of the standard systems for WK2 only by the use of additional shimming with glass carriers and balls in the screw heads; for WK3 a supplementary pressure profile reinforcement and reinforced screw fixing in the screw channel
- No visual difference between the variations
- Execution identical to the standard system, thus production and assembly as rational as the standard systems
- Wide selection of pressure and cover profiles
- System width and infill thickness as with standard systems
- The execution of glass roofs in class WK2 and WK3 is possible
- The curtain wall can be equipped with the following opening insertion windows in class WK2:
 - Aluminium window FRAME⁺
 - Top-hung projecting window WING 50 SK
 - Top-hung / side-hung / bottom-hung projecting window WING 50 A



- Resistance class WK2 and WK3
- Visual appearance identical to the standard systems
- Only a few additional components
- Many opening windows in WK2 available

