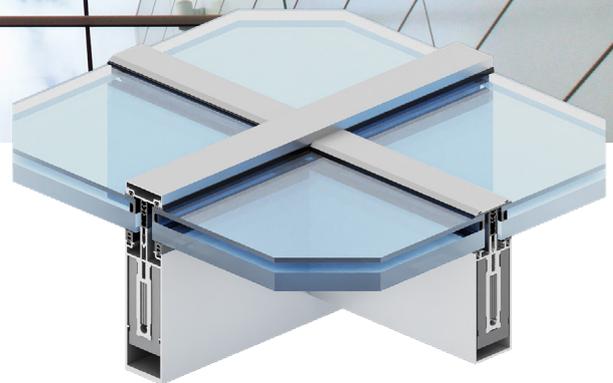




fire protection systems



MC FIRE ROOF

- the MC FIRE ROOF solution using appropriate glass (different variants available) achieves the REI45 rating (according to PN-EN 13501-2:2016-07)
- the MC FIRE ROOF system consists of posts (rafters) and beams (purlins) available in a wide range of MC WALL system profiles
- there is a wide range of masking profiles and roof-plane strips available in the system, giving the structure an aesthetic appearance
- the structure of the MC FIRE ROOF skylight can be inclined from 0° to 80° (applies to fire rating)
- the maximum glass dimensions are 1300 x 2400 (E130)
- non-rectangular glass is also possible
- the maximum depth of poles/rafters depends on strength calculations and ranges from 104 to 326 mm
- the maximum depth of beams/purlins depends on strength calculations and ranges from 88 to 294 mm
- a wide range of colours – RAL palette (Qualicoat 1518), texture colours, Aliplast Wood Colour Effect (wood-like colours), Aliplast Loft View – colours imitating stone surfaces (Qualideco PL-0001), anodised colour (Qualanod 1808), bi-colour

fire protection systems

technical specification

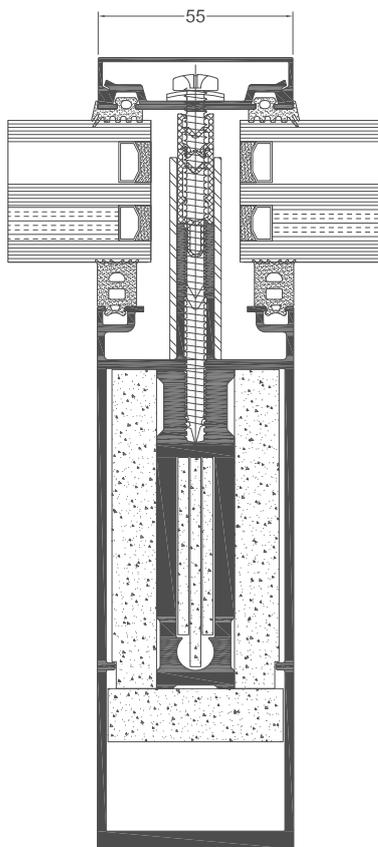
system	material	depth mullion	depth transom	glazing range	mullions rigidity	transom rigidity
MC FIRE ROOF	aluminium	104-326 mm	88 -294 mm	40-66 mm	178,9 - 5177,1 cm4*	124,9 - 2429,8 cm4*

* There is a possibility to use additional reinforcements

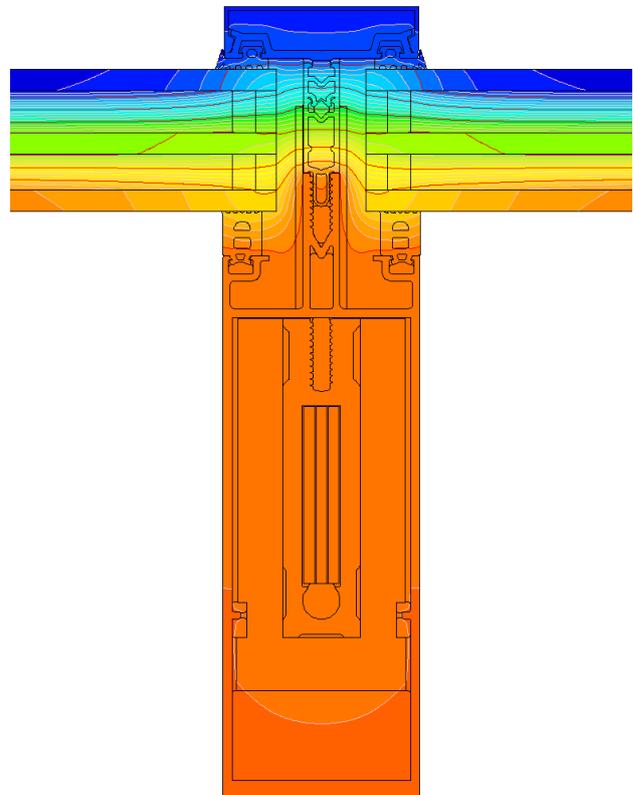
performance

system	thermal insulation Uf*	air permeability	windload resistance	watertightness
MC FIRE ROOF	Uf from 1,16 W/m²K	Class AE1200 Pa; EN 12152	Class 2600 Pa ± 3900 Pa; EN 13116	Class RE1350 Pa; EN 12154

* Thermal insulation is dependent on a combination of profiles and thickness of the filling



MC FIRE ROOF cross section (MC017)



distribution of isotherms in the MC FIRE ROOF system (MC017)