

FA
50N

DACH EI



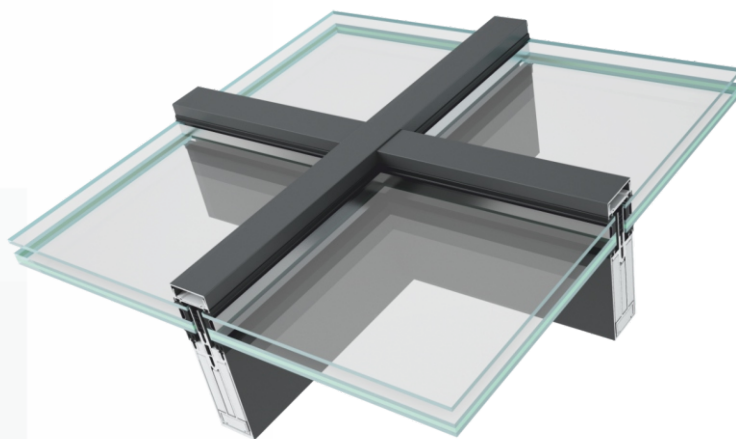
FIRE SAFETY

FA 50N DACH EI - SYSTEM FEATURES

System FA 50N DACH REI 15, REI 20, RE 30, REW 30 allows for designing and production of a glazed roof (fireproof skylight) and a support structure made of aluminium profiles in system FA 50N.

The system is of skeleton construction, consisting of aluminium transoms and mullions. The installed transparent infills are made of fireproof, hardened glass. There are reinforcing shapes with cooling inserts in profile chambers. The structure of the roof, apart from standard elements of aluminium system, also consists of materials with excellent fire protection properties.

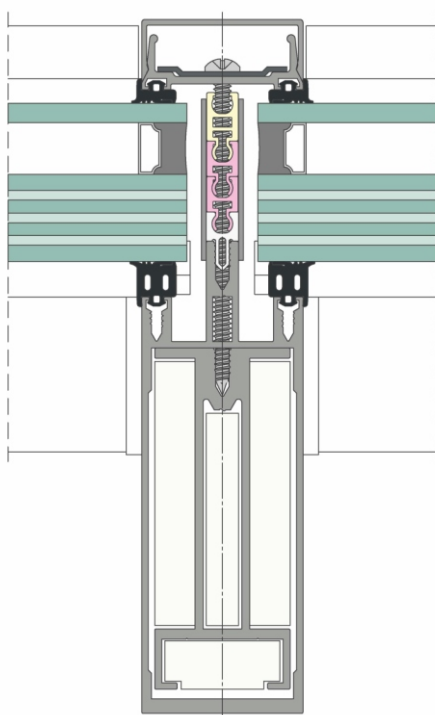
Photo: Creativity Centre Targowa, Warsaw
 Design: Pracownia AKM S.C.
 Aluminium manufacturer: Aluminium SPS Sp. j. Pajak i Wspólnik



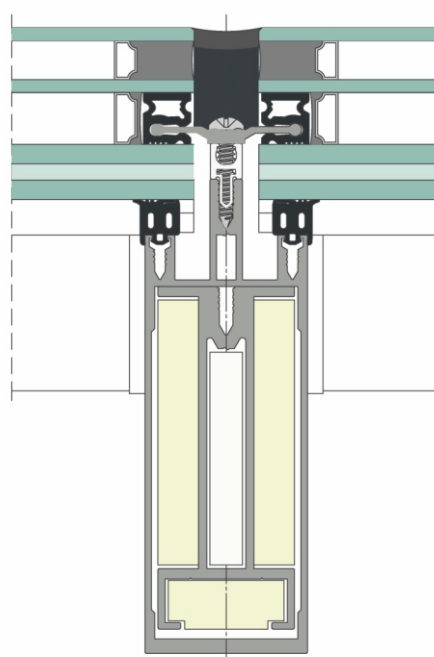
ADVANTAGES OF THE SYSTEM

- possibility of manufacturing glazed mono-pitched and double - pitched roofs, angled from 0°-80°,
- possibility of creating a structure of various colours and with diversified surface finish,
- complies with stringent fire protection standards - class of fire resistance REI 15, REI 20, RE30 and REW 30,
- possibility of manufacturing skylights and glazed roofs in a variety of shapes,
- possibility of manufacturing skylight in a structural version,
- possibility of combination with other Yawal systems.

RAFTER CROSS-SECTION
FA 50N REI 15, REI 20, RE 30, REW 30



RAFTER CROSS-SECTION
FA 50N SL REI 15, REI 20, RE 30, REW 30



TECHNICAL PARAMETERS - FA 50N DACH EI

Air permeability	class AE 1200 acc. to PN-EN 12152
Water tightness	class RE 1200 acc. to PN-EN 12154
Fire classification	class REI 15, REI 20, RE 30, REW 30 acc. to PN-EN 12501-2
Heat transfer coefficient	U_f = from 1,27 W/m ² K acc. to PN-EN ISO 10077-2
Wind load resistance	1700-1800 Pa acc. to PN-EN 13116
Acoustic insulation	R_w = 31÷44 dB acc. to PN-EN ISO 140-3
Internal visible width	50 mm
External visible width	50 mm
Glazing	fixed with termination bars and masking strips or covering with a silicone
Glazing thickness	10÷80 mm