

ACCURACY



HARMONY



BALANCE

# FRA 80

## FIXED GLASS ROOF SYSTEM

It is designed to create modern comfort areas in restaurant, cafe, garden conservatory and terrace coating projects. The system is suitable for single glazing and double-glazing combinations.

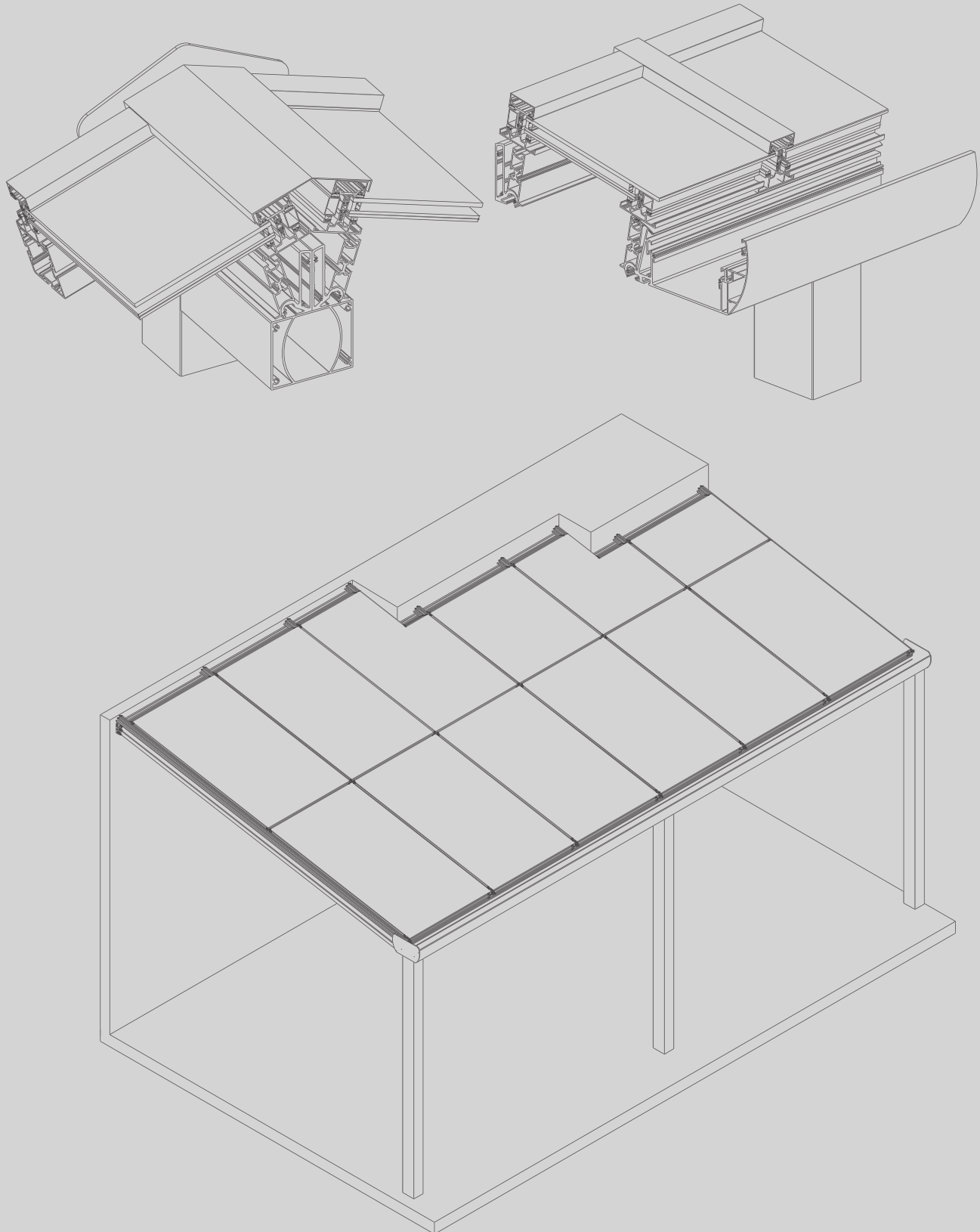
The carrier profiles in the system are made of aluminum. All profiles are cut at an angle of 90 degrees, providing ease of production and installation.

System installation is made between 5 and 20 degrees. Special creek and carrier profiles are used. The system has special ducts for LED lighting.



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## Performance Calculator



### Glass Configuration

<b>OUTER PANE</b>	:	Şişecam Tinted Float Glass 6 mm Bronze
<b>CAVITY</b>	:	12 mm Cavity (Air)
<b>INNER PANE</b>	:	Şişecam Clear Float Glass 6 mm Clear

#### Daylight Properties (EN 410)

Daylight Transmittance	:	46%
Daylight Reflectance Outdoor	:	8%
Daylight Reflectance Indoor	:	12%

#### Solar Energy Properties (EN 410)

Solar Energy Direct Transmittance	:	39%
Solar Energy Reflectance Outdoor	:	7%
Solar Energy Absorption	:	54%
Solar Heat Gain Coefficient (Solar Factor / g)	:	48%
Shading Coefficient	:	0.55
UV Transmission	:	0.03%

#### Thermal Conductivity (EN 673)

U Value W/(m <sup>2</sup> K)	:	2.8
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#### Sound Insulation Value (EN 12758)

Rw (C; Ctr) dB	:	31 (-1; -4)
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With that unit;

- **Solar control**

- **Heat control**

capabilities has been gained.

"Day Light" and "Solar Energy" properties are calculated in compliance with EN 410.

"U-value" is calculated according to EN 673. The emissivity measurement utilized to calculating comply with EN 673 (Annex A) and EN 12898.

Potential thermal stresses or relevant building codes may require the use of heat-treated glass. This document does not stand for an assessment with regards to glass breakage risk due to thermal stress. Please contact Trakya Cam Sanayii A.Ş. to make sure that the correct type of glass is to be supplied for your building.

Specifications, technical as well as miscellaneous data bases on information, available at the time of the issuance of this document and are subject to change without any notice

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