

ROOF SYSTEM

SAPA 5050

GLASS ROOF SYSTEM WITH GREAT POSSIBILITIES IN DESIGN

SAPA Glass roof 5050 offers endless possibilities in execution and design. Static, the glass roof can be built with large spans and in many different variants. Can also be made with single glass.

Performance

- SAPA Glass roof 5050 has thermal breaks that provides great insulation and firm support for the pressure plate.
- Profile depth 25–220mm.
- Exterior pressure plate 7 mm that provide good stability and water drainage.
- The thermal break is made of pvc.
- Glass thickness 24–51 mm can be made with both 2- och 3-glass units.
- Vents for comfort ventilation and smoke evacuation.

Thermal performance

- U-value varies with the choice of glass and the slope of the roof. Calculated from case to case.

Sealing performance

- Air permeability: A4 according to EN12152.
- Water tightness: R7 according to EN12154.

Design

- Exterior glass holders can be fitted with decorative profiles.
- Can be made both as pulpit roofs, saddle roofs, pyramids. Recommended roof slope from 15 degrees.

Low carbon footprint

- SAPA Glass roof 5050 is made from Hydro CIRCAL, recycled low carbon aluminium. That means it's high quality aluminium made with a minimum of 75% recycled end-of-life aluminium (post-consumer scrap). Hydro CIRCAL has a carbon footprint of 2.3 kg of CO₂/kg of aluminium on average.

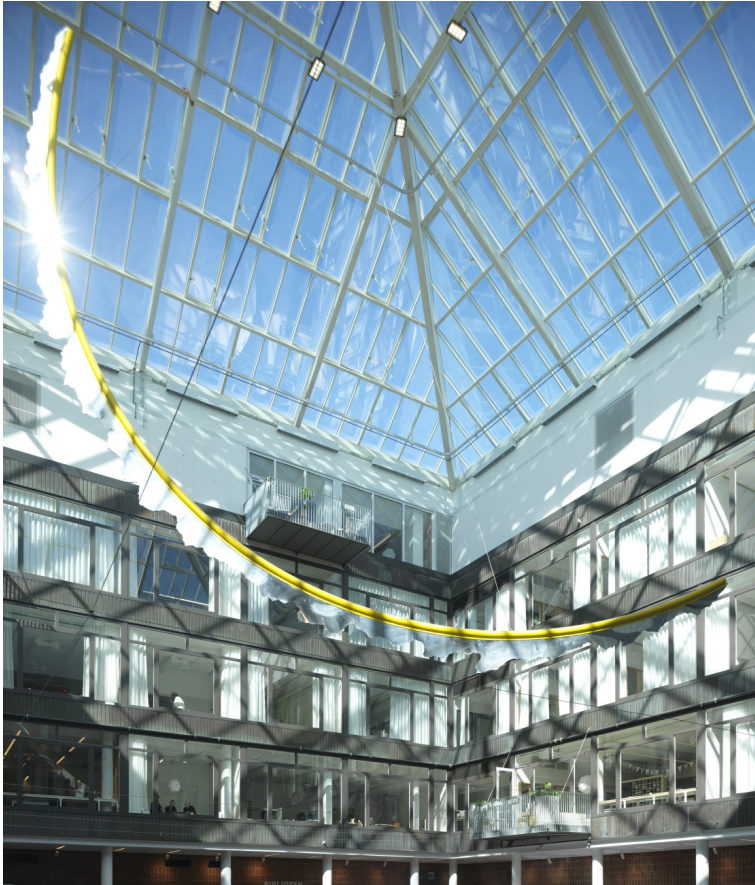


Glass thickness: Glazing unit 24–35 mm, 44–51 mm
Frame profiles: Rectangular, I profiles, T profiles, dividing profiles
Frame profile depth: Vertical: 60–220 mm, Horizontal: 25–158 mm
Vents: Smoke vents and fresh air vents are easily installed in roof glazing. Smoke venting complies with EN 12101-2
Air permeability: A4 according to EN 12152
Water tightness: R7 according to EN 12154

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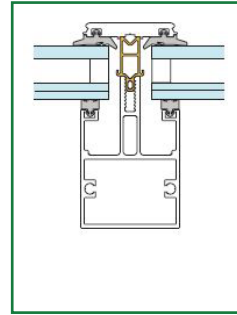
By  Hydro

Applications

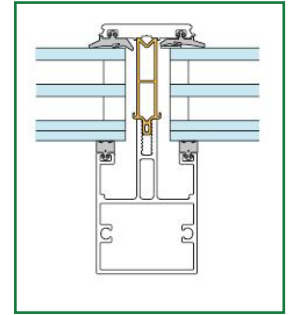


SAPA Roof Glazing 5050, Chalmers University of Technology, Gothenburg

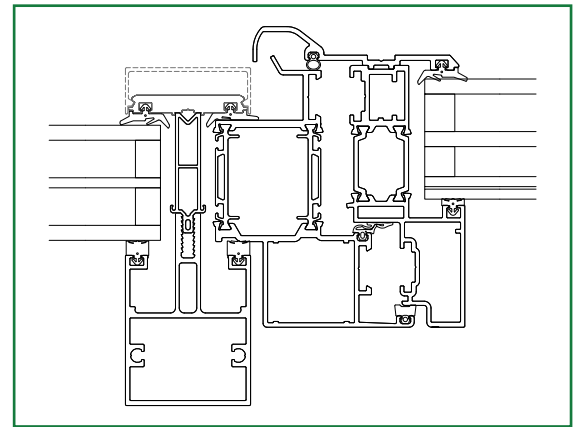
Insulated or uninsulated profiles. Profile width. 50 mm with external glazing bead. Vents for fresh air and smoke ventilation.



Double-glazing

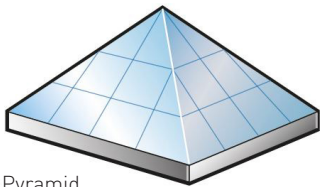


Triple-glazing

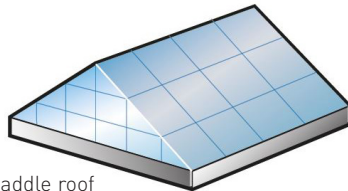


Vent, double- or triple-glazed unit

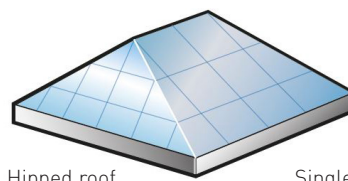
Examples of roof glazing shapes



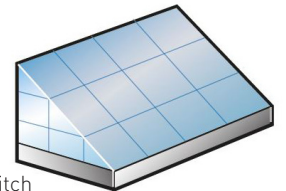
Pyramid



Saddle roof



Hipped roof



Single-pitch roof

Hydro Building Systems Lithuania UAB
Kirtimų g. 47, Vilnius
LT-02244, Lithuania
www.sapabuildingsystem.com

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