



## DOOR SYSTEM

# SAPA 2086 SX Plus/Extreme

## ENERGY EFFICIENT DOOR SYSTEM WITH FOCUS ON PERFORMANCE

SAPA door 2086 SX is a highly insulated door system with low U-value and good density developed with a clear focus on energy and performance. The system fits perfectly to exterior doors in modern buildings with high demands.

### Performance

- SAPA 2086 SX door system is a part of our Thermo 86 systems and is based on a strong and stable construction with 86 mm deep profiles.
- The door has a low U-value and stable construction with 86 mm deep profiles which are insulated with 42 mm fiberglass reinforced polyamide strips.
- For optimum energy performance, insulating bars SAPA Thermo N9 are used in the profiles.
- Rebate for glass and infill panels 20–56 (64) mm.
- Exterior glazing bead is integrated into the profile for asymmetrically placed glass.
- The doors can easily be connected to fixed partitions 3086.
- Maximum recommended door leaf weight: 200 kg.

### Thermal performance

- $U_d$ -value: as low as 0.9 W/m<sup>2</sup>K (2086 SX Plus and Extreme, fully glazed, narrow profile,  $U_g = 0.5$  W/m<sup>2</sup>K, size 1230 x 2180 mm).

### Sealing performance

- Air permeability: Class 2 (2086 SX Plus) and Class 4 (2086 SX Extreme) according to EN 12207.
- Watertightness: Class 4A (2086 XS Plus) and Class 9A (2086 SX Extreme) according to EN 12208.
- Sound reduction: up to  $R_w$  44 dB.

### Safety

- Available with burglar protection in class RC2 and RC3 according to EN 1627.
- Available with anti-finger trap edge.

### Design

- Single door and double door with or without side and top lights.
- Door leaf profiles are available for narrow and modular locks.
- Our door system can easily be supplemented with the most common fittings on the market.

### Low carbon footprint

SAPA door 2086 SX 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 CO<sub>2</sub>/kg of aluminium on average.

Thermal performance:  $U_d$ -value: as low as 0.9 W/m<sup>2</sup>K (2086 SX Plus and Extreme, fully glazed, narrow profile,  $U_g = 0.5$  W/m<sup>2</sup>K, size 1230 x 2180 mm).

Air permeability: Class 2 (SX Plus), Class 4 (SX Extreme)

Watertightness: Class 4A (SX Plus), Class 9A (SX Extreme)

Safety: RC2 and RC3 according to EN 1627

Glass rebate: 20–56 (64) mm

Maximal door leaf weight: 200 kg





Hydro Building Systems Lithuania UAB  
Kirtimų g. 47, Vilnius  
LT-02244, Lithuania  
[www.sapa.lt](http://www.sapa.lt)

**sapa:**

By  Hydro