



COMBILINE

COMBINING THE CHARM OF NATURAL WOOD WITH THE WEATHER RESISTANCE OF ALUMINIUM. A NEW SYSTEM FOR SUPERB INSULATION AND STURDINESS.

Solarlux Combiline bifold door features a wood frame faced on the exterior with aluminium. The high-quality aluminium cover shell offers excellent weather protection while the interior retains the warm character of the wood.

A slim sightline and impressive U-values add to the universal appeal of this door.

ODC Door & Glass Systems Ltd.

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CLARITY IN DESIGN



COMBILINE



PROFILE SYSTEM

- Running and guide rails built into the system
- Thermally insulated timber window system with an overall depth of 86mm
- Bottom-running; minimal load support required
- Edged (R2) timber panel frame profiles
- Single-piece, multi-functional bionicTURTLE® break profile force-fitted flush into timber panel

SEALING SYSTEM

- The seal encompasses two all-round sealing levels with constant gap sizes and even seal pressure between the panels
- Weather sealing not interrupted by fittings
- Sheathed foam seals with optimum sliding properties
- Optional convection chamber interruption seals for improved U-values
- Up to three sealing level options available

DESIGN VARIANTS

- Panels can fold either inwards or outwards, to either left or right
- Left and right sliding panel pairs also available
- Floor track designs without rebates in compliance with German standard DIN 18040 on "Accessible construction"
- Floor tracks available as minimal floor tracks without height offset

SYSTEM OVERVIEW

MAXIMUM PANEL WIDTH AND HEIGHT UP TO PROFILE DEPTH OF FRAME/PANEL
PANEL WEIGHT
SIGHT LINE - PANEL
SIGHT LINE - FRAME
GLAZING (GLASS THICKNESS)
BURGLAR RESISTANCE TO DIN EN 1627-1630
THERMAL PERFORMANCE ACCORDING TO DIN ISO 10077-1
WIND LOAD RESISTANCE ACCORDING TO DIN EN 12210
PROTECTION AGAINST DRIVING RAIN TO DIN EN 12208
AIR PERMEABILITY TO DIN EN 12207
SOUND INSULATION CLASS TO DIN EN ISO 10140-2

1m x 2.8m
86mm/91mm
Max. 100kg
147mm
0-72mm
28-48mm
RC2/RC2N
 $U_w \geq 1.1 \text{ W/m}^2\text{K}$
C3
Up to 7A
3
Up to 42db

FITTINGS

- No protruding running or guide rails
- Locking mechanism integrated in thermal break laminated door stile and is single handedly operated
- With optional built-in "TwinX" concealed panel centring mechanism for high wind loads
- System hinges also suitable for heavy panel weights
- System adjustment mechanism built into sub-frame rebate
- Specially shaped stainless-steel running track with tapered roller allows the use of unguided carriages
- Stainless steel ball bearing sliding technology: low-noise, extremely durable stainless-steel track roller and running surface
- Easy-running, low-wear carriage fitted with double-row deep-groove ball bearings and built-in anti-prying guard
- Carriage height can be adjusted during installation
- Sliding lock or optional lock-in-place panel for controlled ventilation
- High-quality, stainless-steel Solarlux designer handles
- Lockable one-hand operation thanks to special gears with stroke of 24mm
- Passdoor available with latch-key-activated, multi-point lock and profile cylinder
- Secure hinge pin
- Secure cleaning pin with convenient unlocking mechanism and misuse prevent system to assist cleaning

ENVIRONMENT

- Sustainable production
- FCC (Forest Stewardship Council), COC (Chain Of Custody)
- PEFC (Programme for the Endorsement of Forest Certification Schemes)
- Certified disposal in accordance with DIN EN ISO 14001:2009

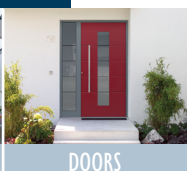
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CLARITY IN DESIGN



SLIDING DOORS

FOLDING DOORS

WINDOWS

ROOFS & ROOFLIGHTS

GLASS STRUCTURES

DOORS