

BI-FOLDING DOOR

WOODLINE · COMBILINE

System features

WOODLINE AND COMBILINE PROFILE SYSTEMS

- Thermally insulated timber window system with an overall depth of 86 mm in the panel profile
- Multi-laminated, high-quality wooden beams made using selected rifts and half-rifts
- 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
- Panels are manufactured with a form-fitted corner connection. A rounded collet fits exactly into the slot on the counter-piece, and an additional screw connection makes for an even sturdier panel joint
- Controlled drainage
- Running and guide rails built into the system
- Separate levels for runners and locks
- Accessible and living-space floor tracks also available
- Built-in, concealed cable routing

WOODLINE FEATURES

- The sub-frame comprises a static aluminium structure (mitre joint) that is laminated with solid-wood beams across its whole area, inside and out
- Slim sightline of 143 mm

COMBILINE FEATURES

- An angular aluminium cover shell is mounted to the outer face of the wood panel. The sub-frame comprises a static aluminium structure (mitre joint) that is laminated with solid-wood beams on the inside of the frame
- Slim sightline of 147 mm

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

CONFIGURATION OPTIONS

- 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
- RC2-/RC2N burglar resistance optional

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 24 mm
- 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 allow cleaning of the outsides of the panels on inwards-opening bi-folding door elements
- Thanks to its defined locking points, this cleaning pin can be used for both paired and unpaired bi-folding doors
- Lock monitoring system with reed contacts and concealed cable routing
- Patented "Comfort Snap" panel catch
- Optional load-transferring plates with centring grooves and sealing cushions for mounting the sub-frame profiles
- Additional mounting screw covers in frame rebate








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








OPERATIONS

- In-house production control
- Tested in accordance with DIN EN 1090, design class EXEC1 & EXEC2, certified in accordance with DIN ISO 9001

Woodline characteristics

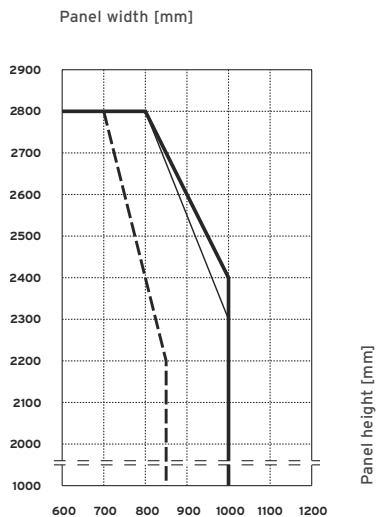
| | | |
|---|--|-----------------------------------|
|  | Resistance to wind load in accordance with DIN EN 12210 | C3 |
|  | Impermeability to driving rain in accordance with DIN EN 12208 | 7A |
|  | Air permeability in accordance with DIN EN 12207 | 3 |
|  | Durability in accordance with DIN EN 12400 | 2 |
|  | Burglar resistance to DIN EN 1627-1630 | RC2/RC2N |
|  | Acoustic class in accordance with DIN EN ISO 10140-2 | Rw up to 42 dB |
|  | Thermal transmission coefficient in accordance with DIN EN ISO 10077-1 | $U_w \geq 1,0$ W/m ² K |

Combine characteristics

| | | |
|---|--|-----------------------------------|
|  | Resistance to wind load in accordance with DIN EN 12210 | C3 |
|  | Impermeability to driving rain in accordance with DIN EN 12208 | 7A |
|  | Air permeability in accordance with DIN EN 12207 | 3 |
|  | Durability in accordance with DIN EN 12400 | 2 |
|  | Burglar resistance to DIN EN 1627-1630 | RC2/RC2N |
|  | Acoustic class in accordance with DIN EN ISO 10140-2 | Rw up to 42 dB |
|  | Thermal transmission coefficient in accordance with DIN EN ISO 10077-1 | $U_w \geq 1,1$ W/m ² K |

Notice package for Woodline and Combine: Specification may vary depending on design and glass

Woodline and Combine panel sizes



—
Applies to fill-ins / glazing
max. 25 kg / m²

—
Applies to fill-ins / glazing
max. 30 kg / m²

Applies to fill-ins / glazing
max. 45 kg / m²

Woodline

| | |
|-----------------------|-----------|
| SIGHT LINES | |
| · Frame | 0 - 72 mm |
| · Panel | 82 mm |
| · Sightline | 143 mm |
| · Overall frame depth | 91 mm |
| · Overall panel depth | 86 mm |
| · Minimal floor track | 29 mm |

NOTICE FOR WOODLINE AND COMBILINE

- Dimensions including outer frame
- Horizontal rails recommended for system heights of 2,550 mm and over
- Panel weight: Max. 100 kg
- Min. panel width of 800 mm for paired design, or 650 mm for left / right sliding design
- Max. panel height of 2,800 mm for swing-panel design
- Not accounting for wind and impact loads
- Special sizes available on request

GLAZING

- Suitable for use with glass thicknesses of 28 - 52 mm (Combine), 28 - 48 mm (Woodline)
- Dry glazing

Combine

| | |
|-----------------------|------------|
| SIGHT LINES | |
| · Frame | 0 - 72 mm |
| · Panel | 104 mm |
| · Sightline | 147 mm |
| · Overall frame depth | 77 / 83 mm |
| · Overall panel depth | 86 mm |
| · Minimal floor track | 29 mm |