



**ODC I43W**

**A BREAKTHROUGH IN TIMBER BIFOLDING DOORS.  
HIGHLY THERMALLY INSULATED ALUMINIUM CORE WITH  
CHARACTERFUL WOOD SURFACES. MULTIPLE CONFIGURATIONS  
AND DESIGN VARIANTS.**

The ODC I43W bifolding door is a thermally insulated timber window system. It features patented aluminium core - a multifunction insulating thermal break - covered with solid-wood sections inside and out.

The high-quality aluminium cover shell protects the bi-folding door from the influences of the weather. The interior retains the warm character of the wood.

ODC Door & Glass Systems Ltd.

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**CLARITY IN DESIGN**



# ODCI43W



## 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

## GLASS PANEL & FRAME SIZES

- Maximum panel width and height up to 1m x 2.8m
- Profile depth of frame/panel : 86mm/91mm
- Panel weight up to 100kg
- Sight line - panel : 143mm
- Sight line - frame : 0 - 72mm
- Glazing (glass thickness) : 28 - 48mm

## EXCELLENT WEATHERABILITY

- 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

## UNRIVALLED PERFORMANCE

- Burglar resistance to DIN EN 1627-1630 (RC2 / RC2N)
- Thermal performance according to DIN ISO 10077-1 ( $U_w \geq 1.0 \text{ W/m}^2\text{k}$ )
- Wind load resistance according to DIN EN 12210 (C3)
- Awarded 7A protection against driving rain to DIN EN 12208
- Class 3 air permeability to DIN EN 12207
- Sound insulation class to DIN EN ISO 10140-2 (up to 42db)

## INNOVATIVE SLIDING TECHNOLOGY

- 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
- No protruding running or guide rails
- 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

## DESIGN FEATURES

- Locking mechanism integrated in thermal break laminated door stile and is single handedly operated
- With optional built-in concealed panel centring mechanism for high wind loads
- System hinges also suitable for heavy panel weights
- System adjustment mechanism built into sub-frame rebate
- Sliding lock or optional lock-in-place panel for controlled ventilation
- High-quality, stainless-steel designer handles
- 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

## SECURITY

- 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

FOR MORE EXAMPLES OF OUR WORK VISIT [WWW.ODCGLASS.CO.UK](http://WWW.ODCGLASS.CO.UK) OR VISIT OUR SHOWROOMS:

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