



BI-FOLD DOOR

Beauty, style and flexibility

VELFAC[®]

WINDOWS FOR LIFE





BEAUTY, STYLE AND FLEXIBILITY

If you want to make more of your outside space, enhance a fabulous view, or simply maximise natural light, the VELFAC bi-fold door provides a beautiful and flexible solution. Featuring the VELFAC high performance slim composite frame – double or triple-glazed - the door can be installed in openings without compromising weather protection or insulation.

The outside can now become a real part of the home, while the door itself – open or closed – delivers an impressive architectural feature



- Hard-wearing aluminium forms a low-maintenance, versatile and contemporary frame design.
- A wide range of RAL colours delivers design versatility while ensuring additional weather protection.
- The stylish slim frame – one of the slimmest on the market at only 130mm (59mm wide sash x 2nr + 12mm gasket seal) – maximises natural daylight.
- Concealed hinges and running gear and handles fitted in line with frames ensure uninterrupted views when the door is closed, with a flush bottom track or a weathered track delivering a seamless threshold.
- The door can be opened and stacked externally.
- Add safety - the door can be Secured by Design compliant on request.

V860E - DESIGNED TO COMPLEMENT

Designed to complement both the traditional and modern house design, the bi-fold door V860E can be used in new build and refurbishment projects. Two performance levels are available, both featuring the same slim frame, designed to enhance already impressive insulation:

- **double-glazed:** with a 24mm thermal break, double glazing is ideal for the majority of locations and has a U-value of 1.5W/m^2 . Available with flush track and weathered track (for exposed locations).
- **triple-glazed:** with a 44mm thermal break, triple glazing is designed for installation in more challenging environments, and offers increased thermal performance, with U-values as low as 1.1W/m^2 , and additional acoustic insulation of $\text{Rw}36\text{dB}$.

Every VELFAC bi-fold door is built to order, with our support team on hand to make sure all aspects of design and installation are discussed well in advance to ensure exceptional results.

To discuss your needs in more detail, please contact the team on 01536 313 552.



Both window options also deliver:

Exceptional weather protection – tested to 300 Pascals of water tightness – provided by the standard weathered track and double rebated sections.

Triple gaskets between panes to enhance insulation and provide tight compression seals, also protecting fingers when the door is being moved.

Panel catches enable the secure opening of a single door while also ensuring a neat and stable stack when fully opened.

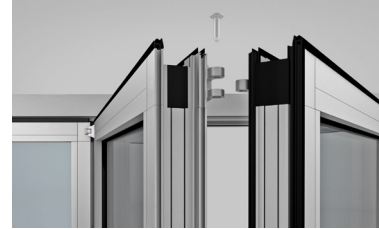
High-level security delivered by mushroom locks, shootbolt rods, locking hinge pins, and double rebated frames which ensure glass panes cannot be removed externally.

BUILT TO BE USED



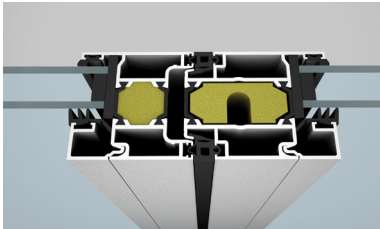
SECURITY / COMFORT

The integrated multipoint locking system and the comfortable door handle with catch bolt, lock and profile cylinder ensure high security. Certification according to RC2 / RC2N possible.



SAFE OPERATION

The swing panel is locked by means of a special catch ensuring the door can be carried along safely.



HEAT INSULATION

Solid multi-chamber profiles with foam core offer the best heat insulation according to the latest energy conservation regulations (EnEV).



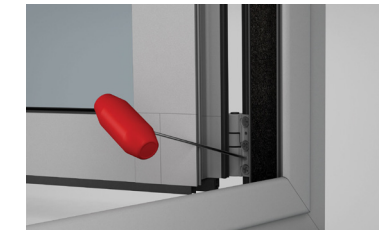
ENGINEERED

Long-lasting stainless steel runners and tracks ensure easy, quiet and smooth operation of the folding glass doors.



STABILITY

Espagnolettes with 24 mm throw lock the panels into the top and bottom track of the frame ensuring they withstand gales and afford high security.



WIDTH ADJUSTMENT

The width of the panels can be altered easily by adjusting the hinges with a screwdriver.



SAFE OPERATION

The swing panel is locked by means of a special catch ensuring the door can be carried along safely.



HEIGHT ADJUSTMENT

Even after installation the fold-ing glass door can be easily height-adjusted by about 6 mm - which is important if settling of the building occurs.

SYSTEM PROFILE

- Element thickness 59 mm
- Narrow frames and panel profiles (panel joint 130 mm)
- High stability due to tongue-and-groove interlocking panel profile and robust corner joints with thermal insulation
- Flush floor track without upstand for disabled access available
- Sealed against wind and rain by double wraparound seal

FITTINGS

- No protruding runner and guide tracks
- Concealed fittings for one handed operation
- Lockable in any partly open position

Secured by Design



Official Police Security Initiative



The **Wood Window** Alliance



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