

WERU

YOUR BESPOKE PATIO SOLUTION

Balcony and patio doors

Our extended product range for holistic requirements

When you think about your house or apartment you tend to think of it not in terms of windows, but as an overall expression of your quality of life and individual style. We tend to think along the same lines which is why we offer not only the right windows, we also offer suitable balcony and/or patio doors with a similar range of design options for every living situation. Your Weru specialist can advise you on which patio doors are the best match for your window system.





QUALITY ON ALL FRONTS

Open up new perspectives for yourself and your own four walls, and more scope for living. Modern design and large glazed areas blur the boundaries between your garden, patio, balcony or conservatory and your indoor living space. A simple balcony door, large-surface tilt and slide door, innovative lifting sliding door or bi-folding door, whatever option you choose you can rest assured it will be the right solution for your individual building situation. Although the opening type in each case is different, what they do have in common is quality, engineering and workmanship to satisfy the most stringent demands.

The terrace doors are built according to the same principle as the windows

- Same quality expectations: stable profiles, innovative technologies and ease of operation
- Identical optional equipment: from thermal glazing through to burglary deterrence and surveillance
- Consistent appearance in terms of colour and form. Why not make use of the large selection of Weru colours.
- One-stop advice, planning and installation plus comprehensive services for lasting enjoyment of windows and doors.

Balcony Door

The Universal Classic

The Weru balcony door is available as a single, double or triple leaf version for standard operation and also tilt and turn. A device which is integrated into the standard version ensures that the balcony door is held shut and does not simply open due to a gust of wind. An aluminium profile provides additional protection to the lower frame which is frequently subject to high levels of stress. As an option, the balcony doors can of course also be equipped with Weru roller shutters.

Technical features of the balcony door

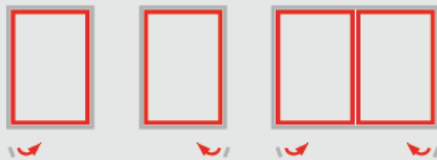
Energy efficiency	$U_f = 0.9-1.3 \text{ W}/(\text{m}^2\text{K})$ $U_w = \text{up to } 0.68 \text{ W}/(\text{m}^2\text{K})$
Burglary deterrence	RC 1, RC 2, RC 3
Maximum sash size	1300 mm x 2600 mm*
Acoustic protection up to (R_{WP})	44 dB
Barrier-free	Yes
Can be upgraded to an entrance door (lockable with profile cylinder)	Yes

* In the AFINO-tec version.



OPENING EXAMPLES AT A GLANCE

Balcony doors



Tilt Slide Door

Wide Window Fronts With Ventilation Options

The tilt and slide door can be tilted to provide ventilation and pushed open sideways to provide access. This operation is carried out via a smooth-running one-handed lever handle. Force-controlled scissor mechanisms initially push the door leaf into the tilt position, when the handle is turned further out of the horizontal position this brings the door leaf back into the parallel position from which it can easily slide to one side.

Technical features of tilt and slide door

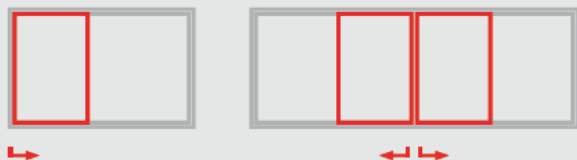
Energy efficiency	$U_f = 0.9-1.3 \text{ W/(m}^2\text{K)}$
	$U_w = \text{up to } 0.68 \text{ W/(m}^2\text{K)}$
Burglary deterrence	RC 1, RC 2
Maximum sash size	1600 mm x 2600 mm*
Acoustic protection up to (R_{WP})	44 dB
Barrier-free	No
Can be upgraded to an entrance door (lockable with profile cylinder)	Yes

* In the AFINO-tec version.



OPENING EXAMPLES AT A GLANCE

Tilt and slide doors



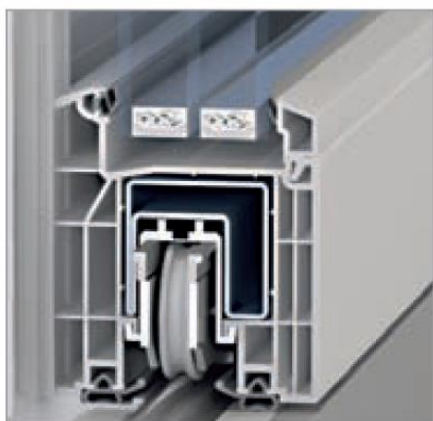
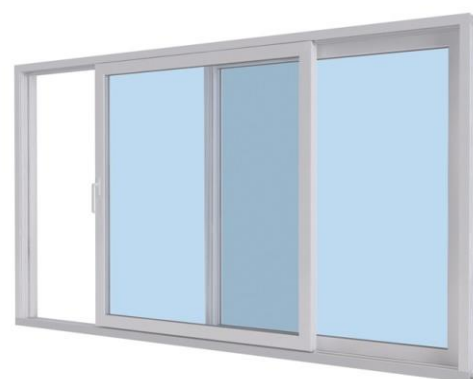
Lift Slide Door

Outstanding operating comfort and technology

The Weru lifting sliding door is a space-saving solution which is recommended for extremely large door openings. The precision guidance of the door leaf at the top and bottom means it can be opened and closed sideways very easily. It also offers effective thermal insulation, maximum tightness, exceptional stability and reliable burglary deterrence. The lifting sliding door already complies with the more stringent requirements of the German Energy Saving Ordinance which will come into force in 2015 and can be equipped with the Weru secur monitoring system if required.

Technical features of lifting sliding door

Energy efficiency	$U_f = 1.3 \text{ W}/(\text{m}^2\text{K})$ $U_w = 0.8 \text{ W}/(\text{m}^2\text{K})$
Burglary deterrence	RC 1, RC 2
Maximum sash size	3000 mm x 2700 mm
Acoustic protection up to (R_{WP})	42 dB
Barrier-free	Yes
Can be upgraded to an entrance door (lockable with profile cylinder)	Yes



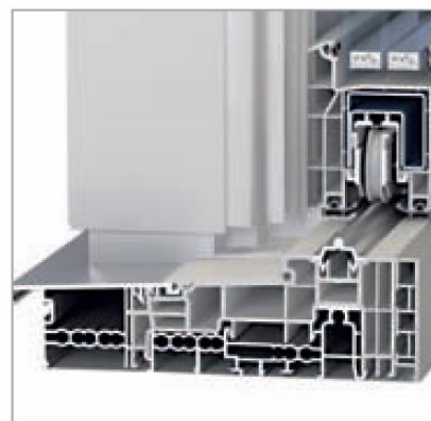
High operating comfort

Special steel-reinforced running carriage housings stabilise the sashes which therefore slide open and closed sideways very easily due to the smooth-running operation. A special barrier-free threshold is available on request (according to DIN 18040) for virtually seamless transition to outdoors.



Outstanding energy efficiency

As the 86 mm thick GFP high-tech sash profiles are fully-reinforced, the steel reinforcement could partially be omitted thus achieving a U_f value of $1.3 \text{ W}/(\text{m}^2\text{K})$. A U_w value of $0.8 \text{ W}/(\text{m}^2\text{K})$ is therefore possible with Weru thermal glazing.



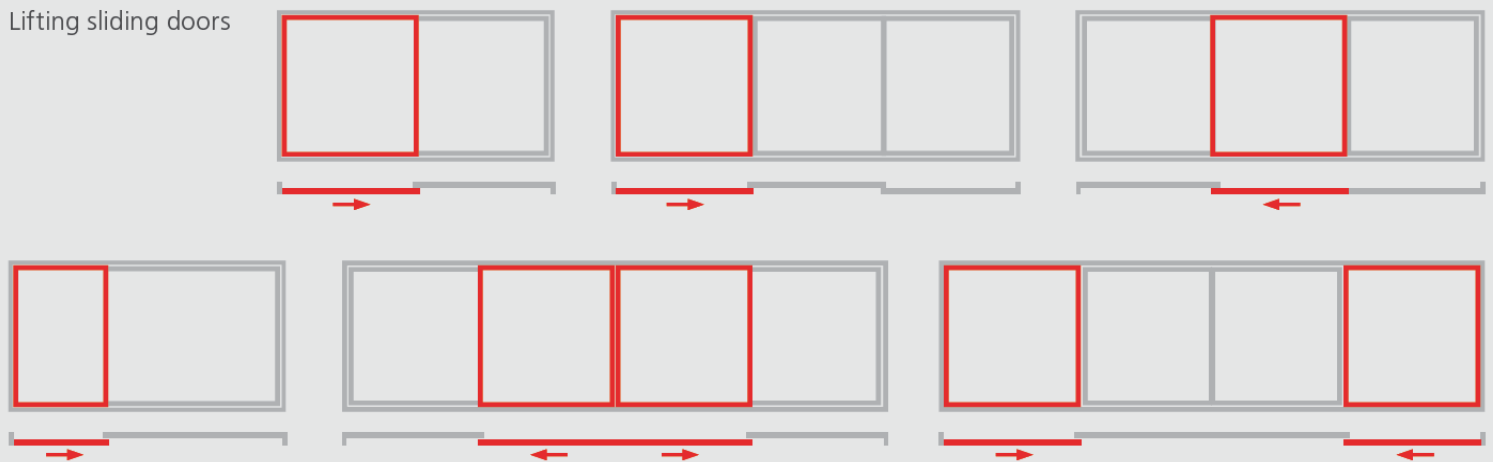
More comfort

The ingenious chamber geometry of the PVCu-aluminium bracket ensures outstanding energy efficiency and reduces the danger of condensation forming in the area of the threshold.



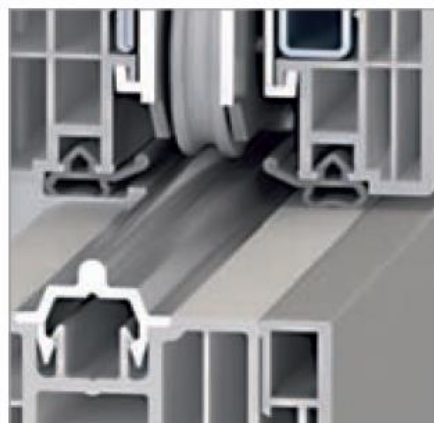
ALL OPENING VARIANTS AT A GLANCE

Lifting sliding doors



Enhanced living comfort

The special profile construction allows a glazing thickness of 53 mm to be used thus allowing functional glazing to be used to provide a greater degree of thermal insulation, burglar protection and acoustic protection according to the requirements of your living situation.



Outstanding tightness

Peripheral sash gaskets, special drop-down gaskets and seals on the centre closing profiles ensure outstanding air tightness and effectively keep out driving rain when the lifting sliding door is closed.



Outstanding stability

Fully-reinforced GFP high-tech sash profiles ensure outstanding dimensional stability and make sensational sliding sash sizes of 3 m x 2.70 m possible thus admitting more daylight into the living space. The stabilised running carriages guarantee load transfer for heavy triple glazing systems weighing up to 300 kg.

Bi-folding Doors

The solution for perfect for indoor and outdoor living

By choosing Weru bi-folding door system you are choosing a 100% German engineered solution for your home that will create a seamless interface between indoor and outdoor living. The Weru system opens up your home to nature. Gardens, terraces, balconies and extensions become a perfectly natural part of your living space by means of modern design, slim frames and maximum glass. Generously dimensioned, folding sliding constructions allow light, air and sun to stream into your home throughout the year.



Features & Benefits

- Thermally broken for increased energy efficiency
- Slim profile for increased outlook and improved U value
- High Security up to WK2 (German Security Standards)
- Double or triple factory glazed in high specification laminate Low E as standard
- Smooth 3-chamber profiles are robust and easy to join
- Weather rating up to class 9A in accordance with DIN EN 12208
- Sound insulation up to 44db
- Low and flush threshold options available
- Single or dual RAL colour options with over 5000 choices
- 2-7 panes available with multiple configuration options
- Full range of windows and doors in Acento range to complement your bifolds

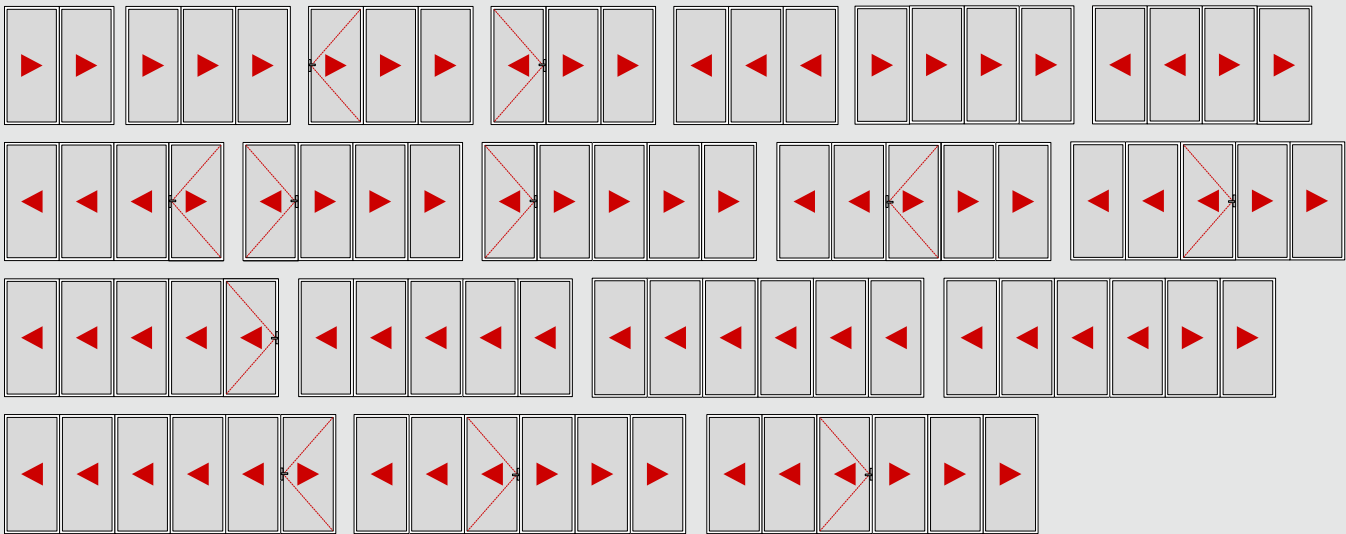


The perfect configuration for your needs

A bi-folding door can accommodate all tastes, applications and building requirements. There are hundreds of colours to choose from, and over 100 opening styles, including: inward opening, outward opening, folding to the left, folding to the right and even folding both ways. Opening configurations ranging from 2 panels one way, to 7 panels both ways.

There are numerous bi-fold door configurations available to suit your individual needs, and many options for a traffic door to be fitted which means that you can use the bi-folding door set as a conventional back door with lever/lever handles to gain access to the outside, balcony or other areas. This allows you to use your Bi-folds without opening the complete bi-folding doors set which is extremely useful and convenient during the colder months

Popular opening examples





Choosing the right product for your needs

With the option of sliding, balcony and bi-fold patio doors available, you have the flexibility to create a truly custom design that complements your home's style and helps to define your outdoor living space. What type of patio door you use depends on your home's design, your lifestyle and convenience. For example, is it opening to a large outdoor living space that flows from your inside living space? Is it for a balcony? Or is it part of a large wall of glass?

Since balcony doors need room to open, consider factors such as furniture and wall placement before determining which opening method works best for the space. If space is tight, consider using a combination of stationary panels with single or double opening doors or sliding doors that fit well in any sized space.

Choose a design that has a wide doorway to provide greater access and stronger connection to your outdoor space. Look at our bi-folding patio door system or integrate multiple balcony doors into your design.

Since glass is a major component of patio doors, you'll want to select the right type with the most benefits and efficiency. Our double or triple glazing over outstanding low Ug values and energy performance .

Patio doors are becoming taller and wider, spanning the length and height of whole walls so your outdoor space feels like a natural, flowing extension of your home.

Project Examples

