

helping
architects and
builders achieve
energy ratings of
up to 10-stars



... by making Australia's most energy efficient windows



Bi-Fold Doors

Since 1990, Paarhammer windows & doors have been setting the benchmark in energy efficiency in Australia.

Alfresco living is much in demand for entertaining. The trend towards building homes with an abundance of natural light and a seamless connection between interior and exterior spaces is growing. Open up your house with bi-fold doors for modern indoor outdoor living.

Paarhammer bi-fold doors achieve outstanding energy efficiency through the unique airtight framing design that incorporates rubber seals to eliminate drafts. No rattling, no shootbolts, just turn the handle on every second door. Recessed threshold for step-free access and a cleaner look. Retractable flyscreens are available to order.



Energy efficiency

In double glazing the airgap used is 16mm, whereas in triple glazing it is twice 12mm. Any glass combination is possible including I-glass or heat mirrors. Combined with superior frames, seals and craftsmanship, this is how Paarhammer can achieve the lowest U-value of any bi-fold door made in Australia. (WERS 1.0)

In addition to employing the latest energy saving technologies that achieve massive energy savings of up to 84%, Paarhammer doors can also deliver an astonishing noise reduction of up to 45dB. That is some 80-90% over conventional doors.

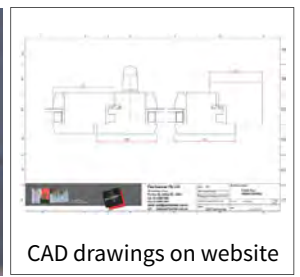
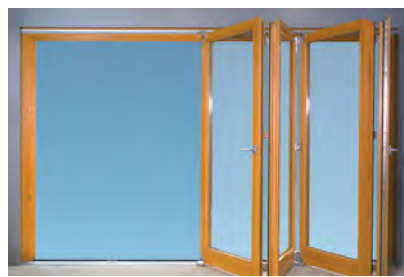


Custom-made

Double or triple glazed, bi-fold doors can be inward or outward opening. The everyday door on inward opening bi-folds can have a tilt function for better air circulation. Many configurations are available, up to 10m wide or 2.8m high.

There are a variety of timbers to choose from, including FSC® (Forest Stewardship Council®) certified timbers. Bi-fold doors can be ordered fine sanded only or spray painted in a range of finishes and colours.





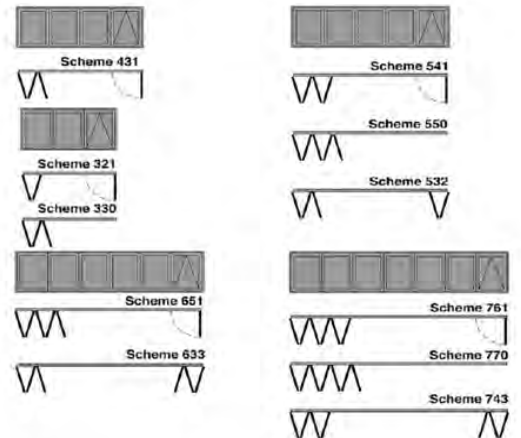
CAD drawings on website

Security

The hardware fittings are precision made in Germany. These fittings have several locking pins all around each door, operated with one handle. The multi-point metal-to-metal security hardware lock the door into the frame. This means that the energy saved through double or triple glazing is not lost through the frame.

Combinations

Bi-fold doors are available in many schemes, up to 10m wide or up to 2.8m high. The design flexibility enables the door configuration to be tailored to your specific needs.



Paarhammer Pty Ltd

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| Window ID | Glazing | Cooling Stars | Heating Stars | Cool / Heat | | Total Window - AFRC | | | | |
|--|-----------------------------------|---------------|---------------|-------------|-----|---------------------|------|------|---------|--|
| | | | | % | % | Uw | SHGC | Tvw | Aif Inf | |
| Bi-Fold Doors - Double Glazed | | | | | | | | | | |
| PAR-003-01 | 4/16/4 | ★★★★ | ★★★★★★ | 52% | 56% | 2.4 | 0.51 | 0.54 | 0.21 | |
| PAR-003-02 | 4Clr/16Ar/4 | ★★★★ | ★★★★★★ | 52% | 57% | 2.4 | 0.51 | 0.54 | 0.21 | |
| PAR-003-03 | 4EA/16Ar/4 | ★★★★ | ★★★★★★ | 61% | 60% | 1.8 | 0.43 | 0.50 | 0.21 | |
| Bi-Fold Doors - Triple Glazed | | | | | | | | | | |
| PAR-004-01 | 4/12/3/12/4 | ★★★★ | ★★★★★★ | 59% | 60% | 1.8 | 0.45 | 0.49 | 0.21 | |
| PAR-004-02 | 4EA/12Ar/3Clr/12Ar/4EA | ★★★★ | ★★★★★★ | 67% | 62% | 1.2 | 0.37 | 0.42 | 0.21 | |
| PAR-004-03 | 4SB70XL/12Ar/3/4ET | ★★★★★ | ★★★★★★ | 82% | 50% | 1.1 | 0.17 | 0.36 | 0.21 | |
| PAR-004-04 | 4SB70XL/12Ar/3SB70XL/12Ar/4SB70XL | ★★★★★ | ★★★★★★ | 84% | 49% | 1.1 | 0.14 | 0.24 | 0.21 | |
| Scandinavian Fir Bi-Fold Door - Triple Glazed | | | | | | | | | | |
| PAR-008-01 | 4SB70XL/12Ar/3SB70XL/12Ar/4SB70XL | ★★★★★ | ★★★★★★ | 84% | 49% | 1.0 | 0.14 | 0.24 | 0.21 | |

We are committed to a sustainable future with architectural flexibility and style.

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no draft no fire no noise

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