

Thermal Performance



Creating solutions the Ideal way.

idealcombi
Enhancing windows

Great U values and performance

A major part of any modern building project is the requirement to save energy. The performance of a window is measured by its U value; this indicates the effectiveness of preventing heat loss. A good U value will reduce your carbon footprint and save on heating costs in the future. High performance windows like ours have other benefits too, they can virtually eliminate internal condensation and prevent the perception of cold draughts whilst giving excellent light transmission.

In addition to preventing heat loss we can offer a variety of multifunctional glass to solve other issues like noise, overheating and burglary. By tailoring the system to your individual needs we can help to give you an indoor climate that is as comfortable as possible.

Note: In this material all the U values are calculated on a single opening window measuring 1230mm wide by 1480mm high.

nation



32mm Double Glazed Unit

Warm Edge Spacer

Argon Gas

Optitherm™ S3 Low E Coating (x1)

6mm Outer / 20mm gap / 6 mm Low E Inner

Overall U Value: 1,41 W/m²k



32mm Triple Glazed Unit

Warm Edge Spacer

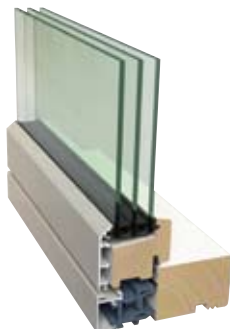
Argon Gas

Optitherm™ S3 Low E Coating (x2)

4mm Low E Outer / 10mm gap / 4mm glass /

10mm gap / 4mm Low E Inner

Overall U Value: 1,18 W/m²k



32mm Triple Glazed Unit

Warm Edge Spacer

Krypton Gas

Optitherm™ S3 Low E Coating (x1)

4mm Outer / 10mm gap / 4mm glass /

10mm gap / 4mm Low E Inner

Overall U Value: 1,17 W/m²k

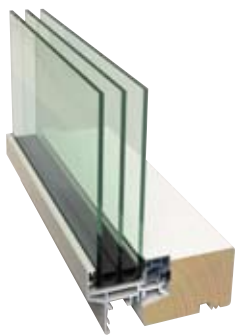
futura



24mm Double Glazed Unit

Warm Edge Spacer
Argon Gas
Optitherm™ S3 Low E Coating (x1)
4mm Outer / 16mm gap / 4mm Low E Inner

Overall U Value: 1,57 W/m²k

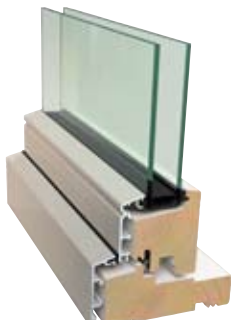


40mm Triple Glazed Unit

Warm Edge Spacer
Argon Gas
Optitherm™ S3 Low E Coating (x2)
4mm Low E Outer / 14mm gap / 4mm glass /
14mm gap / 4mm Low E Inner

Overall U Value: 1,21 W/m²k

contura



28mm Double Glazed Unit

Warm Edge Spacer
Argon Gas
Optitherm™ S3 Low E Coating
4mm Outer / 20mm gap / 4mm Low E Inner

Overall U Value: 1,41 W/m²k

frame



24mm Double Glazed Unit

Warm Edge Spacer
Argon Gas
Optitherm™ S3 Low E Coating
4mm Outer / 16mm gap / 4mm Low E Inner

Overall U Value: 1,42 W/m²k

Longevity of Idealcombi products

The design life of our composite windows and doors is in excess of 40 years. We keep developing and reappraising our products to give them longevity with minimal maintenance. We strive to give the end user style and the best possible chance of having the least possible affect on the environment.



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