

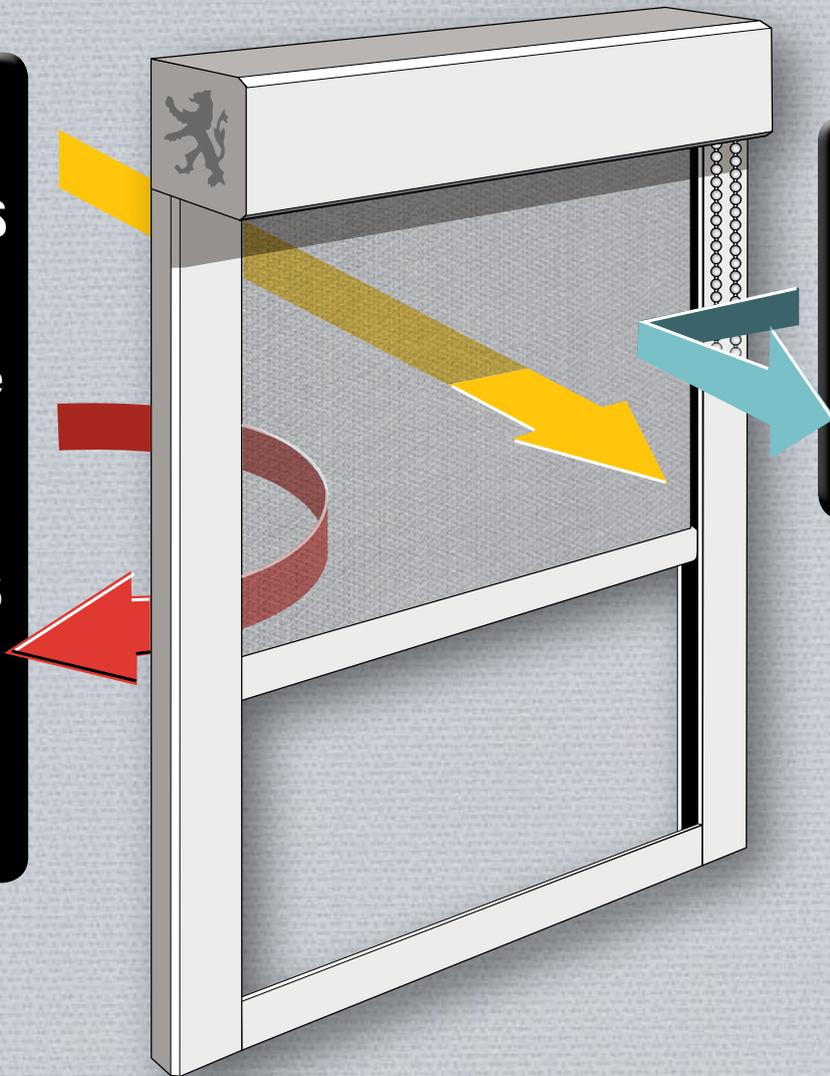


THE 'ULTIMET' ENERGY SAVING BLIND

SAVES ENERGY THREE WAYS

1
CONTROLS NATURAL LIGHT
Reduces glare

2
REFLECTS SOLAR ENERGY
Prevents interior heat build up



3
CONSERVES INTERNAL HEAT
Reduces heating costs



SAVE MONEY • IMPROVE COMFORT • IMPROVE PRODUCTIVITY

INSIDE: THE FABRIC AND BLIND SYSTEM: THE DETAILS + **HOW MUCH COULD YOU SAVE:** THE FIGURES
BACK COVER: A SUSTAINABLE AND ENVIRONMENTALLY CONSCIOUS FABRIC



The Ultimetal fabric – an unrivalled level of excellence

Ultimetal is a dual layer patented fabric which, due to its metallic outward facing side, offers an industry leading combination of high solar reflection and excellent visible transmission.

The inward facing fabric layer eliminates glare and unwanted reflections to give complete thermal and visual comfort within a room.

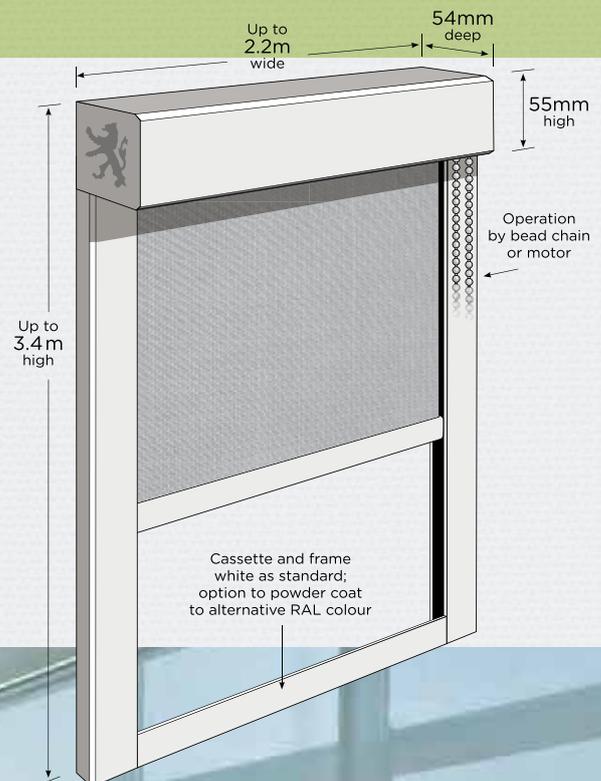
A PATENTED FABRIC WITH 71% SOLAR REFLECTANCE

- **Transparent thermal shield**
Rs = 71% The outward facing metallic side rejects up to 87% of solar energy in all 7 colours (gtot = 0.13 / glazing g = 0.32 and U = 1.1)
- **Low Emissivity of 10%**
The inward facing fabric side acts as a heat insulator delivering interior comfort in both summer and winter
- **Excellent glare control**
Tv = 4% Up to 96% of light filtered. 6 colours out of 7 achieve a comfort classification of 3 according to the EN 14501 standard.

The blind system

We have developed a technically advanced range of neat, discreet blind systems to carry the Ultimetal fabrics.

- Available in a wide range of colours
- Made of aluminium alloy 6460 T4
- Installation to the ceiling, face, or fixed to the side-guides without mechanical fixing to the structure of the building
- Manual or motorised operation
- Bespoke solutions available for horizontal, sloping or unusually shaped windows.

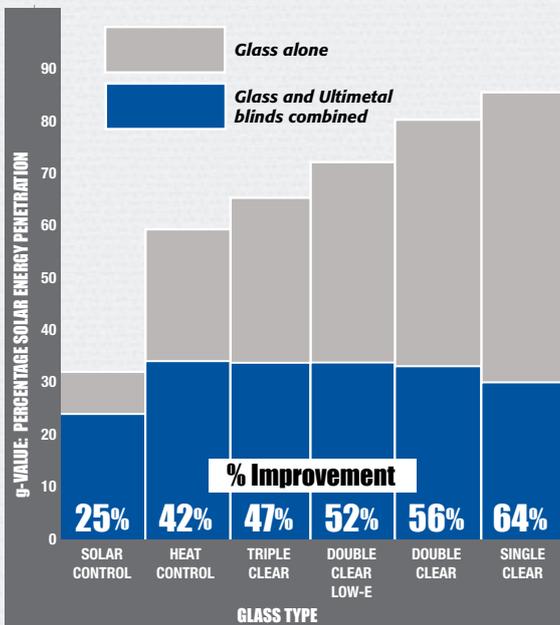


The Ultimet blind – the figures

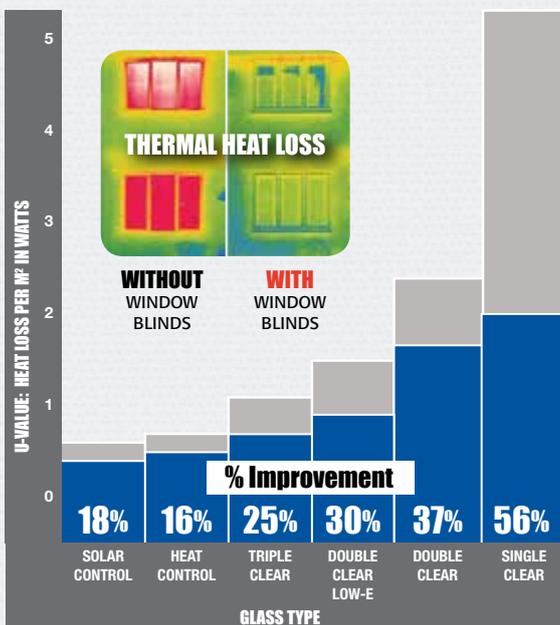
Ultimet blinds make a quantifiable energy difference to any building.

The following charts show the improvements in Solar Reflectance and Insulation using Ultimet fabric as an internal blind. Calculated to EN 13125 - Class 2 permeability.

1. Improvement in Solar Reflectance



2. Improvement in Insulation



See the benefits for yourself : the g-U-Tv Calculator

If you would like to know exactly what difference Ultimet blinds would make to your project, we can give you exact figures using our unique g-U-Tv Calculator. This is a tool to determine the light and energy performance of shaded glazing systems, in conformance with European norms.

Commissioned by De Leeuw Ltd from Professor Mick Hutchins of solar energy materials research laboratory company Sonnergy, it is for use by building engineers, designers, owners and occupiers and provides quantification of the improvements that technical sunblinds make to a building. The figures produced can then be used to assess issues such as operation costs (savings on air conditioning and heating), comfort and productivity of its occupants.

The calculator produces numerical results for three key physical properties for the chosen glazing/blind combination:

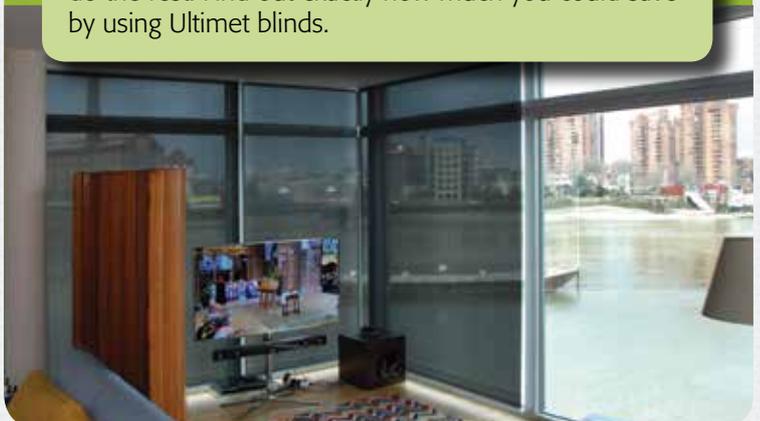
- Heating properties - the g value
- Insulating properties - the U value
- Light transmission properties - the Tv value

Calculated to European Standards

The Calculator is pre-loaded with the g, U and Tv values for six (unshaded) reference glazings. However, we are not restricted to working with just these six glazings – we can produce results for any glass, as long as we have its g, U & Tv values.

Let us calculate **YOUR** potential savings.

Simply provide us with the g, U and Tv values of your glazing, (along with the Rv value if possible) and we'll do the rest. Find out exactly how much you could save by using Ultimet blinds.



THE 'ULTIMET' ENERGY SAVING BLIND

Ultimet blinds

THE GREEN SOLUTION

Ultimet fabric is practically free of fossil fuels. When used in conjunction with hardware made primarily from recyclable aluminium, and with the reasonable expectation of 15 to 20 years service, the Ultimet blind is one of the most sustainable shading products available.

BUILDING PERFORMANCE STANDARDS

Glare control, vision to the outside world, good air quality, thermal comfort – what does your rating system require? The Ultimet blind probably has more ticks than your rating system has boxes.

SUSTAINABLY SOURCED, ENVIRONMENTALLY CONSCIOUS

- **Minimum environmental impact**
Made from glass fibre - PVC free, polyester free and halogen free. GreenGuard certified.
- **Reduced energy consumption**
Meets LEED and BREEAM standards.
- **Incombustible**
Smoke emission free. BS 476 Pt 6 Class 0, Euroclass A2-s1-d0, FO.

LEED, BREEAM AND GREENGUARD



LEED (Leadership in Energy and Environmental Design) is the most widely used green building rating system in the world. LEED certification is a globally recognized symbol of sustainability achievement.



BREEAM (Building Research Establishment Environmental Assessment Method) sets standards for the environmental performance of buildings.



GREENGUARD Certification ensures that a product has met some of the world's most rigorous and comprehensive standards for low emissions of volatile organic compounds (VOCs) into indoor air.

BEYOND THE ULTIMET?

One fabric cannot suit all requirements. Ultimet, for example, cannot be used externally or on tension systems. For these and other requirements, we have a wide range of industry leading technical fabrics which are suitable for use with blind systems from the pick of European manufacturers.



What can we do for you?

We are just a phone call away:

01989 750005

or e-mail us at

info@deleeuw-ltd.co.uk



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