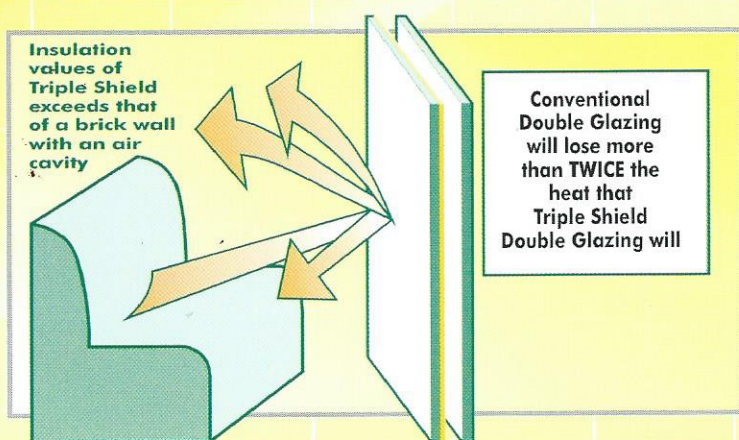


THE U.K.'s MOST EFFICIENT DOUBLE GLAZING

TRIPLESIELD

High Performance Double Glazing

1.2
u value

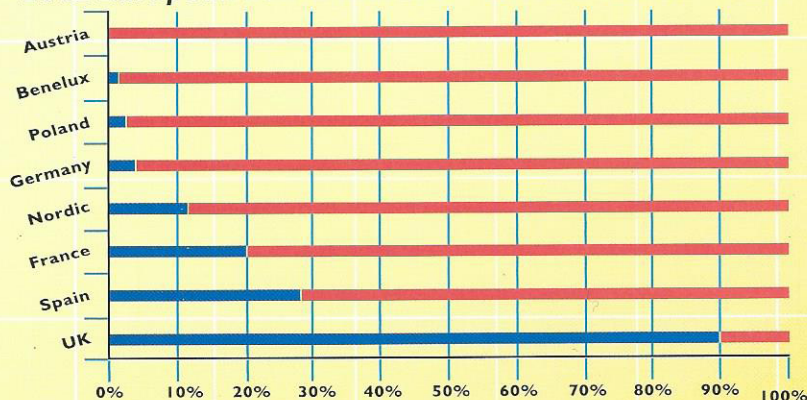


Even with the new regulations introduced in April 2002 double glazing in the UK is substandard by comparison to double glazing installed in the rest of Europe. High performance double glazing sold in the UK is mostly made with Pilkington K which is a 'hard' or 'pyrolytic' low emissivity glass which can have impaired vision and has a pronounced tint. Double glazing made with just Pilkington K will lose nearly 60% more heat than Triple Shield Double Glazing.

Triple Shield has clear vision because it is made with 'soft' or 'sputtered' low emissivity glass from Europe which is more technically advanced and also incorporates argon gas instead of just air in the cavity of the sealed unit to improve thermal performance.

Because the surface temperature of the glass is much higher than standard double glazing furniture can be placed closer to the glass area without discomfort in the winter this is especially important in conservatories where furniture is almost always close to the glass area.

2002 European Low-E Market ■ Hard ■ Soft Table B



Are any other countries using it in volume?

Almost all the low e glass used in Europe is soft coat (see Table B) and in many countries soft coat low e glass became the industry norm in advance of legislation which demanded its use. Manufacturers saw performance and appearance of the soft coat glass as a major benefit to both its customers and the environment.

The advantages at a glance

Exemplary colour neutrality

- more freedom in the aesthetic design of glazing in modern buildings
- attractive look
- natural colour reproduction
- high light transmission
- strongly reduced mirror effect

Low k-value 1.2 W/m²K

- less power consumption
- more comfort
- lower CO₂ and nitrogen monoxide emission

Optimised g-value

- use of solar radiation for additional heat recovery

TECHNICAL DATA

Light transmission ratio	79%
Outside light reflection	11.5%
Degree of radiation transmission	54 (acc. to DIN EN 410)
g - value	63 (acc. to DIN EN 410)
Colour reproduction index	98%
k - value	acc. to DIN EN 673
Air conduction (4/20/4)	1.4
Argon conduction (4/20/4)	1.2
Argon/Krypton conduction 50%/50% (4/20/4)	1.0
3 way Krypton conduction 97% 4 (float)/10/4 (1.2N)/10/4 (1.2N)	0.5
Xenon conduction 95% (4/20/4)	1.0
Xenon conduction 100% (4/20/4)	0.9



The
British Standards
Kitemark is your
Assurance of Quality
BS5713

Triple Shield Double Glazing is made in the UK incorporating Low E glass imported from one of Europe's leading companies in Low E glass technology. All units are dual sealed and carry the British Standard Kite Mark.

U-value Comparison for 4 / 20 / 4

Triple Shield

1.2

k - glass

1.8

Standard

2.7