



HIGH PERFORMANCE WINDOW FILMS

~PROVIDING SECURITY & COMFORT~

SOLAR CONTROL FILM

Low-E Neutral Grey 50

Year - Round Insulation + Moderate Solar Control

High Performance Window Films' **Low-E Neutral 50** reduces winter heat loss through windows while providing moderate solar heat and glare rejection. Its subtle neutral appearance makes it perfect for buildings that need energy savings without a highly reflective look.

☀ FEATURES & BENEFITS

◆ Key Features:

- ✓ Low-emissivity (Low-E) technology
- ✓ Moderate solar heat & glare rejection
- ✓ Reduces winter heat loss through windows
- ✓ Neutral appearance (low exterior reflectivity)
- ✓ Quick, retro-fit installation
- ✓ Blocks 99% of harmful UV rays

☀ Key Benefits:

- ✓ Year-round energy savings (less heating in winter + cooler summers)

- ✓ Helps lower energy bills and carbon footprint
- ✓ Subtle look – ideal where reflective films are not permitted
- ✓ Ideal alternative to costly window replacement
- ✓ Significantly reduces fading of interior furnishings
- ✓ Improves comfort all year round

Where to Use:

 **Conservatory upright windows** – Reduces winter heat loss + moderate summer cooling

 **Anti-Fading & UV Protection** – Effectively blocks UV rays to prevent fading of interiors and furnishings.

 **Office Buildings** – Maintain privacy without a strong mirrored effect.
 **Residential Homes** – Reduce heat buildup while keeping interiors bright and comfortable.

 **Listed & Architecturally Sensitive Buildings** – Ideal for properties requiring a neutral external appearance.

 **Retail Spaces** – Improve storefront security and climate control.

PERFORMANCE DATA

Property	Value
Solar Energy Transmitted	37%
Solar Energy Reflected	30%
Solar Energy Absorbed	33%
Visible Light Transmitted	48%

Visible Light Reflected (Interior)	12%
Visible Light Reflected (Exterior)	13%
UV Rejection	99%
Glare Reduction	45%
Shading Coefficient	0.49
Solar Heat Gain Coefficient (G-Value)	0.43
Emissivity	0.44
Total Solar Energy Rejected	57%
Product Warranty	5 years

 **FILM TO GLASS U-VALUE IMPROVEMENT (W/m²K)**

Glass Structure	Without Film	With Film	Improvement
4mm Clear Single Pane	5.8	4.6	21% better
4mm Clear / 12mm Air Gap / 4mm Clear	2.9	2.6	10% better
4mm Clear / 12mm Argon Filled / 4mm Low-E	1.5	1.3	13% better

Installation & Usage

 Low-E coating helps retain interior warmth in winter

-  Designed for **interior application** on glass surfaces
-  Suitable for **offices, homes, listed buildings, retail spaces, and architecturally sensitive properties**
-  Ensures **solar heat control without a highly reflective appearance**

 **GET A FREE CONSULTATION TODAY!** Speak with one of our specialists to **find the perfect film for your space.**

 info@hpwf.co.uk

 01992 611915

 www.hpwf.co.uk

 *Upgrade your windows today with High Performance Window Films for enhanced solar protection while maintaining a neutral aesthetic!*