



Camden Thermal Range



**CAMDEN
GLASS**

Camden Thermal Range

Performance

Internal Pane		CAMDEN Soft Coat Thermal Range	
External Pane		Float	
Composition	mm	4-6-4	6-16-6
Position of Coating			
Low emissivity coating		3	3
Solar control coating		N/A	N/A
Self-cleaning coating		N/A	N/A
Light Factors			
LT (Light transmittance)	%	79	77
LRe (External reflection)	%	12	12
LRi (Internal reflection)	%	12	12
Solar Radiant Heat Factors			
T (Solar radiant heat transmittance)		56	52
Re (External Solar radiant heat reflectance)		21	19
A1 (Solar radiant heat absorbance/ Ext)		12	17
A2 (Solar radiant haet absorbance / Int)		11	12
Solar Factor			
g EN 410		0.66	0.63
Shading Coefficient		0.76	0.73
U-Value*			
Air filled cavity	W/(m2K)	1.4	1.4
>92% Argon filled cavity	W/(m2K)	1.1	1.1
<90% Argon filled cavity	W/(m2K)	1.2	1.2

Applications

With recent changes to building regulations and the increasing demand for energy efficient glazing combined with the use of large areas of glazing in both commercial and domestic buildings, CAMDEN Thermal Range is a popular choice

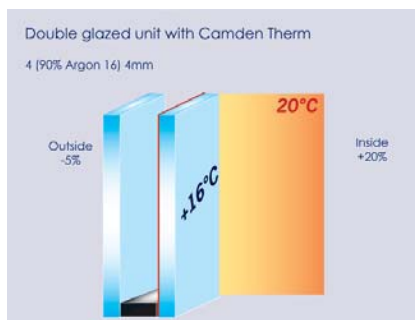
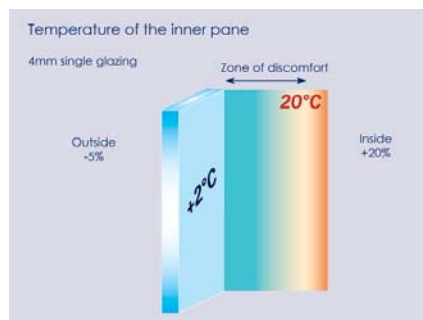
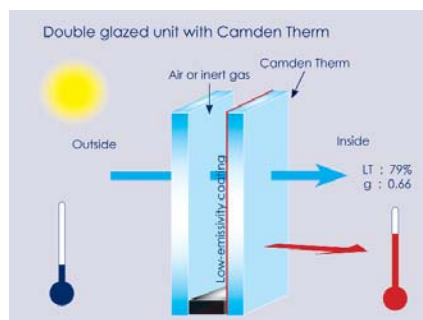
CAMDEN Thermal Range is suitable for a wide range of domestic and commercial applications where energy efficiency is essential.

Description

A unique combination of multiple metal oxide layers are applied to high quality float glass using a magnetically enhanced cathodic sputtering process under vacuum conditions. The resultant microscopically thin and transparent metallic coating very effectively reflects long wave heat radiation back into a room, thereby retaining heat within a building, whilst maximizing natural light transmission.

Advantages

- Considerable reductions in energy bills
- Eliminates cold areas around windows
- Reduces condensation on the inner pane
- Environmentally friendly solution, given the lower CO2 emissions associated with reduced energy consumption
- Ensures compliance with Building Regulations via the centre-pane u-value option
- Superior window energy rating performance thanks to the optimised balance between a very low U-Value and high solar gain.
- Neutral Appearance - the coating is remarkably neutral in both transmission and reflection
- Exceptional Clarity - CAMDEN Thermal Range offers high level of light transmittance, maximising the entry of natural daylight into the building.



 **CAMDEN GLASS**

259, Battleford Rd , Benburb, Dungannon
County Tyrone , BT71 7NP
Tel: 028 3754 8541
E-mail: info@camdenglass.co.uk
Web: www.camdenglass.co.uk

Distributor: