

Technical data according to EN 410 and EN 673
4 mm single
4 / 16 / 4 mm double

Corrected emissivity of uncoated glass surface

0.837

Solar Energy Transmission, τ_e	78 %	65 %
Solar Energy Reflection, ρ_e	8 %	13 %
Solar Energy Absorption, a_e	14 %	22 %

Visible Light Transmission, τ_V	87 %	78 %
Visible Light Reflection (External) , ρ_{Ve}	9 %	15 %
Visible Light Reflection (Internal) , ρ_{Vi}	9 %	15 %

Ultraviolet Transmission, τ_{UV}	< 5 %
Ultraviolet Rejection	> 95 %

g value	0.82	0.73
Shading Coefficient	0.94	0.84
Total Solar Energy Rejected	18 %	27 %
Glare Reduction	1 %	11 %

U value, single glazing ($W/m^2.K$)	5.8	-
U value, double glazing, Air filled ($W/m^2.K$)	-	2.8

Emissivity, ϵ_n	0.91
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Thickness without liner	117 μ
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Film Colour / Appearance	Clear
Installation position	Interior
Warranty	10 years**

Installation Notes: Safety and security films must be installed by trained and qualified personnel.

* Please check the complete Film to Glass Thermal Stress Compatibility Guidelines before film installation. ** Contact Bonwyke for full details. All values for engineering parameters are determined by the manufacturer and independent testing laboratories.

Features & Benefits

- Clear safety film: Modifies glass to safe breakage in conformity with EN 12600.
- Complies with EN 12600 Class 2(B)2 on 4 mm float glass.
- Excellent transparency.
- Nearly invisible, once installed.
- Scratch resistant coating: Excellent resistance to scratching and abrasion, increasing longevity. and allowing easy cleaning.
- High adhesive bond strength with glass – enhances safety against impact, bomb blast and deliberate attack.
- Acrylic heat resistant pressure sensitive adhesive with fast adhesion to glass.
- Interior installation.
- All safety and security films should only be installed by fully trained operatives. Specific procedures must be followed.
- Features:
 - Tensile Strength - Machine direction 224 N / mm²; - Transverse direction 207 N / mm²
 - Yield Strength - Machine direction 105 N / mm²; - Transverse direction 108 N / mm²
 - Elongation at Break - Machine direction 100 %; - Transverse direction 139 %
 - Elongation at Yield - Machine direction 7 %; - Transverse direction 6 %

ProUV 100 Spectra
