



WF Glazing Protection Ltd

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Quotation
Quotation# EST-011454

Bill To

Concorde Blinds

Margaret Manko
4 Sunbeam Road, Woburn Road Industrial Estate
Bedford
Bedfordshire
MK42 7BY
01234 841535

Quotation Date : 15/09/2023
Expiry Date : 31/10/2023
Reference# : Day-time Privacy & Heat Loss Reduction

Thank you for inviting us to provide you with this quotation, I am pleased to offer the following solutions below.

#	Item & Description	Qty	Rate	Amount (excl. VAT)
1	Hanita Silver35 A medium silver reflective film providing glare and heat reduction. Performance on 4mm clear single glazed units: • Visible Light Transmission - 34% • Internal Reflection - 36% • UV Rejection - 99% • Heat Gain Reduction - 60% • G-Value - 0.35 • Total Solar Energy Rejection - 65% • Glare Reduction - 62% 12 year Installation Warranty against bubbling, crazing and peeling.	1.00	0.00	0.00
2	Hanita Silver50 A light silver reflective film providing some glare and heat reduction. Performance on 4mm clear single glazed units: • Visible Light Transmission - 536% • Internal Reflection - 22% • UV Rejection - 99% • Heat Gain Reduction - 41% • G-Value - 0.49 • Total Solar Energy Rejection - 51% • Glare Reduction - 41% 12 year Installation Warranty against bubbling, crazing and peeling.	1.00	0.00	0.00



#	Item & Description	Qty	Rate	Amount (excl. VAT)
3	Total cost to supply & fit, either Silver35 or Silver50, to non-filmed glass only, is :	1.00	12,660.00	12,660.00
4	Total cost to supply & fit either Silver35 or Silver50, to ALL perimeter glazing, which includes the removal of existing old solar film, is :	1.00	18,690.00	18,690.00
5	<p>SolarGard Silver AG 50 Low-E A light silver reflective film providing some glare reduction and heat reduction combined with a Low-E coating to reduce winter heat loss.</p> <p>Performance on 4mm clear single glazed units:</p> <ul style="list-style-type: none"> • Visible Light Transmission - 51% • Internal Reflection - 27% • UV Rejection - 99% • G-Value - 0.42 • Heat Gain Reduction - 51% • U-Value (W/m2 C) - 4.4 • Heat Loss Reduction - 24% • Total Solar Energy Rejection - 58% • Glare Reduction - 43% <p>12 year warranty against bubbling, peeling and crazing when installed by a SolarGard Approved Dealer.</p> <p>NOTE : Based on calculations using a Saint-Gobain Stadip Protect 44.2 laminated pane (total thickness 8,76mm) to simulate this situation. (Done in combination with a modern aluminium frame. Calculation is done with Vitrages Décision software.) U-value without film is 5.60 and with film is 4.20. The Heat Loss Reduction is 25%.</p>	1.00	0.00	0.00
6	Total cost to supply & fit Silver AG50 Low E, to non-filmed glass only, is :	1.00	19,680.00	19,680.00
7	Total cost to supply & fit Silver AG50 Low E, to ALL perimeter glazing, which includes the removal of existing old solar film, is :	1.00	28,420.00	28,420.00

Project Requirements: Day-time Privacy & Heat Loss Reduction

Further to my site visit and meeting with Carol Patching at Envisics, her requirements were for Day-time Privacy and Heat Loss Reduction from the single glazed perimeter windows.

The films specified above are the films chosen based on the samples shown and discussed. The Solargard Silver AG 50 Low-E Film offers Heat Loss Reduction, which was a requirement she was keen on.

Insulation. Emissivity is the rate at which heat will escape through the window pane and this is measured as the U-Value. The lower the U-Value the more efficient the window is. Low-Emissivity (Low-E) coatings help to reduce the U-Value.

One-Way Vision Privacy. This can only be achieved using a dark film and is dependent upon the light ratio on either side of the glass. You





view from the darkest side to the lightest side. For this reason, the film will only be effective during daylight hours when it is brighter outside. Any light source behind the film causing a back lighting effect may also affect its appearance and effectiveness. The darker and more reflective the film, the more privacy it will provide.

As mentioned during our meeting, with all internal applications of solar film, there is a minor risk of thermal stress breakage of the glass, if the glazing in place is non-toughened glass, as in this case. However, this risk is minimal. We can only assume that the windows are glazed in accordance with BS6262 Glazing Code of Practice and that there are no existing edge faults within the frame rebate. If the small risk of thermal fracture should occur due to any existing/inherent weaknesses/damage in the glass then we cannot foresee this and hence we are not liable.

Certain windows have an internal solar film applied, with no issues of thermal stress.

Costs assume work in normal office hours with clean and clear access to all windows in one project visit.

Terms & Conditions

Attached in separate document on your email.

All prices are subject to VAT at 20%.

Window film is outside the scope of CIS and hence the VAT Reverse Charge does not apply.

50% Deposit required.



Constructionline
Gold Member



Glass and Glazing Federation

