

# ENERGY RATING REPORT



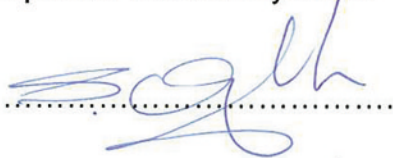
REPORT NUMBER: 1123

Window System	Spectus Elite 63 Fully Reinforced
Window Type	Casement
Size & Style	1230mm x 1480mm Side Hung next to Fixed
Frame Material	PVC-U
Outer Frame Reference	A02 (60mm)
Outer Frame Reinforcement	AR02S (Steel)
Mullion Reference	A11 (66mm)
Mullion Reinforcement	AR10S (Steel)
Vent Reference	A30
Vent Reinforcement	AR30S (Steel)
Glazing Bead Reference	A50
Glazing Bead Detail	PVC-U Bead with Flexible PVC Co-Ex Gasket
Gaskets	Flexible PVC Bubble Co-extruded to profiles
Weatherseals	Flexible PVC Bubble Co-extruded to profiles
Glazing Description	28mm Double Glaze Unit
Outer Pane	4mm Saint-Gobain Diamant (Low iron)
Inner Pane	4mm Saint-Gobain Planitherm Total
Cavity	20mm 90% Argon
Spacer Bar	Swisspacer 'V'
Primary Sealant	Butyl
Secondary Sealant	PU (3mm)

## RESULTS

<b>BFRC ENERGY RATING BAND</b>	<b>A</b>	
<b>BFRC Energy Rating Index</b>	<b>0</b>	<b>kWh/(m<sup>2</sup>·yr)</b>
<b>Thermal Transmittance (U<sub>window</sub>)</b>	<b>1.4</b>	<b>W/(m<sup>2</sup>·K)</b>
<b>Solar Factor (g<sub>window</sub>)</b>	<b>0.44</b>	
<b>Air Leakage Heat Loss (L<sub>factor</sub>)</b>	<b>0.00</b>	<b>W/(m<sup>2</sup>·K)</b>

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Spectus Window Systems

Signed: 

Date: 12<sup>th</sup>. March 2009

*The simulations in this report were performed using Therm 5.2.14  
In accordance substantially with BS EN ISO 10077-2:2003*

*Associated Therm files are attached to this report.*



**BFRC Certified Simulator 044**