

Declaration of Compliance

with Part L of the Building Regulations 2010

On behalf of customer: CAMARQUE SOLID

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Classical CL01, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

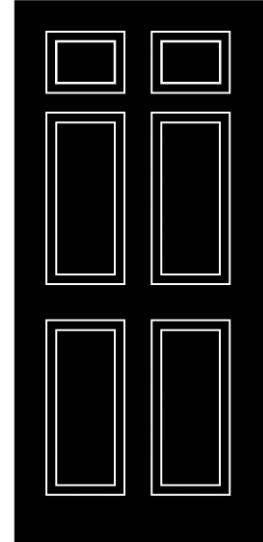
Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

Height of Opening: 2000 mm

Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.



Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.362 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.841 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer	psi panel
1	Panel	1.638 m ²	0.534 W/m ² .K	5.674 m	None	0.000 W/m.K

$$\Sigma A_{\text{panel}} : 1.638 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 0.874 \text{ W/K}$$

$$\text{Mould value} : 0.172 \text{ W/K}$$

$$\Sigma I_{\text{panel}} \cdot \psi_{\text{panel}} : 0.000 \text{ W/K}$$

Doorset U Value for Unit: 0.9 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

- * You have entered your own values of U for the frame. Build Check is therefore not responsible for the suitability or accuracy of the values used.

Declaration of Compliance

with Part L of the Building Regulations 2010

On behalf of customer: CAMARQUE 2

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/01/2011

Doorset: Classical CL02, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

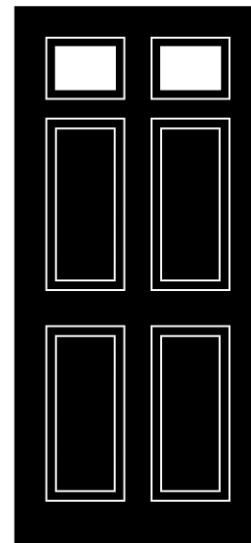
Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89



Space	Width	Gas Type
1	16 mm	Air Filled

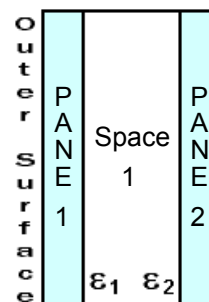
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.057 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.419 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.931 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.047 m ²	2.744 W/m ² .K	1.240 m	Aluminium Generic
2	Panel	1.534 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.581 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 0.947 \text{ W/K}$$

$$\text{Mould value} : 0.137 \text{ W/K}$$

$$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.074 \text{ W/K}$$

$$\text{Total Thermal Conductance of Glazing} : 5.10 \text{ W/m}^2 \cdot \text{K}$$

Doorset U Value for Unit: 1.0 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

This data has been produced by the Oracle U Value Calculator. The results have not been independently checked or verified by Build Check Ltd /

Declaration of Compliance

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On behalf of customer: CAMARQUE 4

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Classical CL03, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

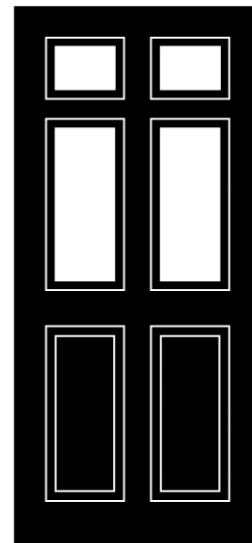
Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89



Space	Width	Gas Type
1	16 mm	Air Filled

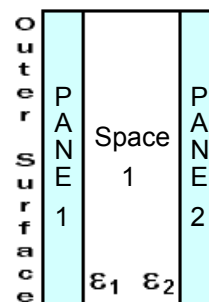
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.187 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.550 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 1.136 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.245 m ²	2.744 W/m ² .K	4.172 m	Aluminium Generic
2	Panel	1.205 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.450 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.316 \text{ W/K}$$

$$\text{Mould value} : 0.070 \text{ W/K}$$

$$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.250 \text{ W/K}$$

$$\text{Total Thermal Conductance of Glazing} : 5.10 \text{ W/m}^2 \cdot \text{K}$$

Doorset U Value for Unit: 1.4 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

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Declaration of Compliance

with Part L of the Building Regulations 2010

On behalf of customer: CATALINA 1

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Renown RE02, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

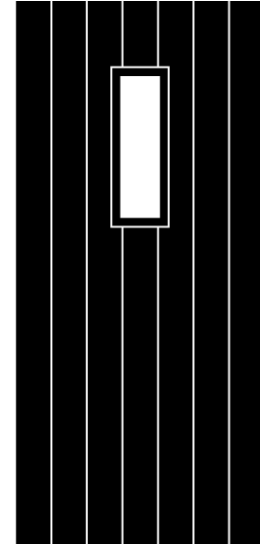
Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89



Space	Width	Gas Type
1	16 mm	Air Filled

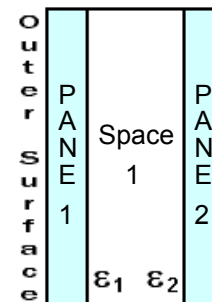
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.056 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.419 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.930 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.073 m ²	2.744 W/m ² .K	1.220 m	Aluminium Generic
2	Panel	1.508 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.581 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.006 \text{ W/K}$$

$$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.073 \text{ W/K}$$

Total Thermal Conductance of Glazing: 5.10W/m².K

Doorset U Value for Unit: 1.0 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

* You have entered your own values of U for the frame. Build Check is therefore not responsible

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Declaration of Compliance

with Part L of the Building Regulations 2010

On behalf of customer: CHIMAERA 1

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Renown RE03, Plastic Frame (Polyurethane with Metal Core)



Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89

Space	Width	Gas Type
1	16 mm	Air Filled

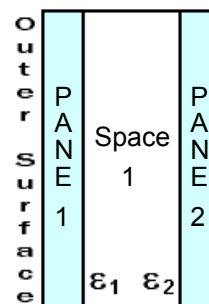
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.036 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.80 W/m ² .K
-	-	-	2.80 W/m ² .K
-	-	-	2.80 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.398 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 1.177 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.034 m ²	2.744 W/m ² .K	0.764 m	Aluminium Generic
2	Panel	1.568 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.602 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 0.929 \text{ W/K}$$

$$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.046 \text{ W/K}$$

Total Thermal Conductance of Glazing: 5.10W/m².K

Doorset U Value for Unit: 1.1 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

* You have entered your own values of U for the frame. Build Check is therefore not responsible

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Declaration of Compliance

with Part L of the Building Regulations 2010

On behalf of customer: ESPRIT SOLID

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Esteem ES01, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

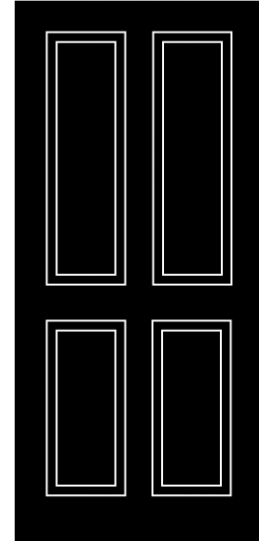
Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

Height of Opening: 2000 mm

Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.



Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.362 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.841 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer	psi panel
1	Panel	1.638 m ²	0.534 W/m ² .K	5.674 m	None	0.000 W/m.K

$$\Sigma A_{\text{panel}} : 1.638 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 0.874 \text{ W/K}$$

$$\text{Mould value} : 0.174 \text{ W/K}$$

$$\Sigma I_{\text{panel}} \cdot \psi_{\text{panel}} : 0.000 \text{ W/K}$$

Doorset U Value for Unit: 0.9 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

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Declaration of Compliance

with Part L of the Building Regulations 2010

On behalf of customer: ESPRIT 2

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 13/04/2011

Doorset: Esteem ES02/ES03/ES04, Plastic Frame (PVC Hollow with 3 Chambers)



Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89

Space	Width	Gas Type
1	16 mm	Air Filled

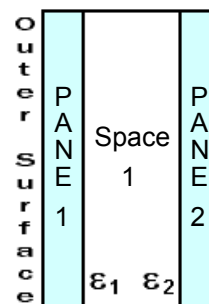
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.169 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	5.0 mm	5.88 W/m ² .K
-	-	-	1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.531 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 1.045 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.317 m ²	2.744 W/m ² .K	4.864 m	Aluminium Generic
2	Panel	1.152 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.469 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.484 \text{ W/K}$$

$$\text{Mould value} : 0.070 \text{ W/K}$$

$$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.292 \text{ W/K}$$

$$\text{Total Thermal Conductance of Glazing} : 5.10 \text{ W/m}^2 \cdot \text{K}$$

Doorset U Value for Unit: 1.4 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

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Declaration of Compliance

with Part L of the Building Regulations 2010

On behalf of customer: IMPALA SOLID

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Prestige PR01, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

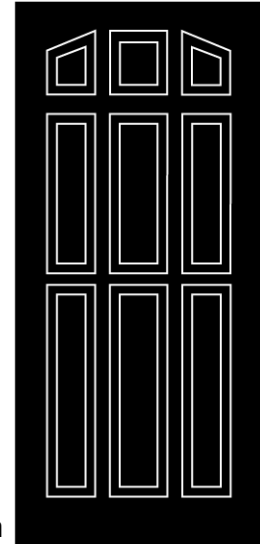
Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

Height of Opening: 2000 mm

Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.



Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.362 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.841 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer	psi panel
1	Panel	1.638 m ²	0.534 W/m ² .K	5.674 m	None	0.000 W/m.K

$$\Sigma A_{\text{panel}} : 1.638 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 0.874 \text{ W/K}$$

$$\text{Mould value} : 0.194 \text{ W/K}$$

$$\Sigma I_{\text{panel}} \cdot \psi_{\text{panel}} : 0.000 \text{ W/K}$$

Doorset U Value for Unit: 1.0 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

- * You have entered your own values of U for the frame. Build Check is therefore not responsible for the suitability or accuracy of the values used.

Declaration of Compliance

with Part L of the Building Regulations 2010

On behalf of customer: IMPALA 1

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Prestige PR02, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

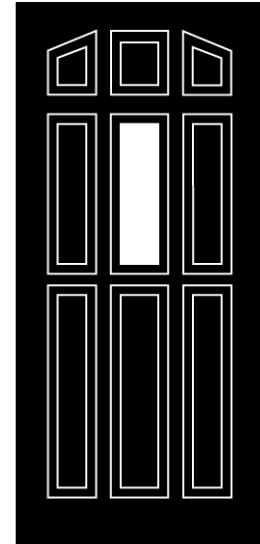
Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89



Space	Width	Gas Type
1	16 mm	Air Filled

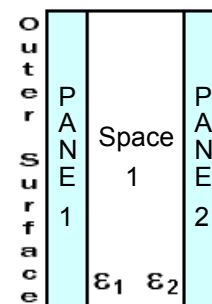
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.056 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.419 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.930 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.073 m ²	2.744 W/m ² .K	1.220 m	Aluminium Generic
2	Panel	1.508 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.581 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.006 \text{ W/K}$$

$$\text{Mould value} : 0.181 \text{ W/K}$$

$$\Sigma I_{\text{panel}} \cdot \psi_{\text{panel}} : 0.073 \text{ W/K}$$

$$\text{Total Thermal Conductance of Glazing} : 5.10 \text{ W/m}^2 \cdot \text{K}$$

Doorset U Value for Unit: 1.1 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

This data has been produced by the Oracle U Value Calculator. The results have not been independently checked or verified by Build Check Ltd /

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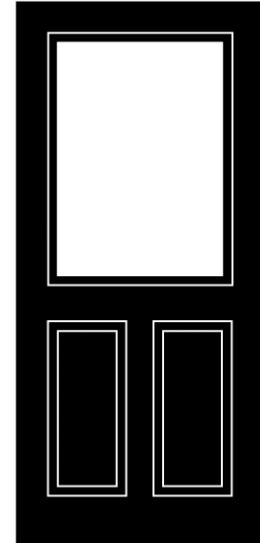
On behalf of customer: MULSANNE

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/01/2011

Doorset: Elegance EL01/EL05, Plastic Frame (PVC Hollow with 3 Chambers)



Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89

Space	Width	Gas Type
1	16 mm	Air Filled

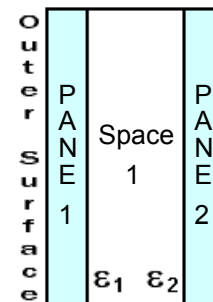
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.111 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$\Sigma A_{\text{frame}} : 0.473 \text{ m}^2$

$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 1.016 \text{ W/K}$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.474 m ²	2.744 W/m ² .K	3.140 m	Aluminium Generic
2	Panel	1.053 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$\Sigma A_{\text{panel}} : 1.527 \text{ m}^2$

$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.862 \text{ W/K}$

Mould value : 0.070 W/K

$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.188 \text{ W/K}$

Total Thermal Conductance of Glazing: 5.10W/m².K

Doorset U Value for Unit: 1.6 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

This data has been produced by the Oracle U Value Calculator. The results have not been independently checked or verified by Build Check Ltd /

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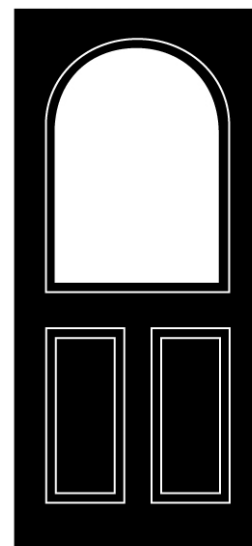
On behalf of customer: SNIPE 1

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 13/04/2011

Doorset: Elegance EL02/EL06, Plastic Frame (PVC Hollow with 3 Chambers)



Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89

Space	Width	Gas Type
1	16 mm	Air Filled

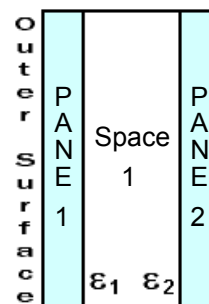
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.096 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$\Sigma A_{\text{frame}} : 0.459 \text{ m}^2$

$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.993 \text{ W/K}$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.439 m ²	2.744 W/m ² .K	2.598 m	Aluminium Generic
2	Panel	1.102 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$\Sigma A_{\text{panel}} : 1.541 \text{ m}^2$

$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.794 \text{ W/K}$

Mould value : 0.070 W/K

$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.156 \text{ W/K}$

Total Thermal Conductance of Glazing: 5.10W/m².K

Doorset U Value for Unit: 1.5 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

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On behalf of customer: TUSCAN 1

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/01/2011

Doorset: Eclat EC02/EC04, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

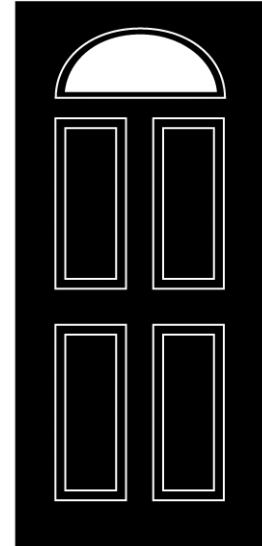
Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89



Space	Width	Gas Type
1	16 mm	Air Filled

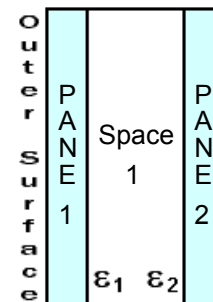
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.049 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.412 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.919 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.082 m ²	2.744 W/m ² .K	1.265 m	Aluminium Generic
2	Panel	1.507 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.588 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.028 \text{ W/K}$$

$$\text{Mould value} : 0.137 \text{ W/K}$$

$$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.076 \text{ W/K}$$

$$\text{Total Thermal Conductance of Glazing} : 5.10 \text{ W/m}^2 \cdot \text{K}$$

Doorset U Value for Unit: 1.1 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

This data has been produced by the Oracle U Value Calculator. The results have not been independently checked or verified by Build Check Ltd /

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On behalf of customer: TUSCAN 3

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Eclat EC01, Plastic Frame (PVC Hollow with 3 Chambers)

Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

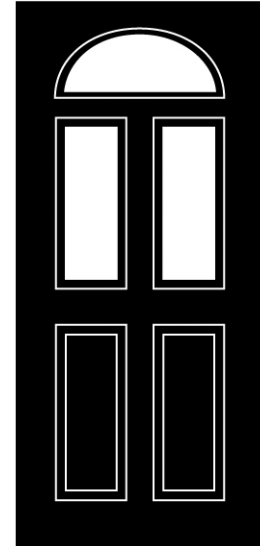
Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89



Space	Width	Gas Type
1	16 mm	Air Filled

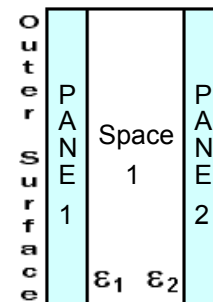
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.165 m ²	-	-

U frame
2.00 W/m ² .K
2.00 W/m ² .K
2.00 W/m ² .K
2.00 W/m ² .K
1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.528 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.985 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.274 m ²	2.744 W/m ² .K	4.197 m	Aluminium Generic
2	Panel	1.198 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.472 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.392 \text{ W/K}$$

$$\text{Mould value} : 0.070 \text{ W/K}$$

$$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.252 \text{ W/K}$$

$$\text{Total Thermal Conductance of Glazing} : 5.10 \text{ W/m}^2 \cdot \text{K}$$

Doorset U Value for Unit: 1.3 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

This data has been produced by the Oracle U Value Calculator. The results have not been independently checked or verified by Build Check Ltd /

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On behalf of customer: VANQUISH 1

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Vogue VO01, Plastic Frame (Polyurethane with Metal Core)

Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

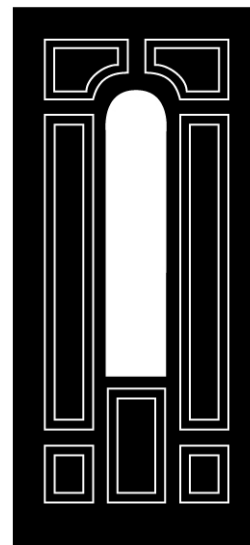
Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89



Space	Width	Gas Type
1	16 mm	Air Filled

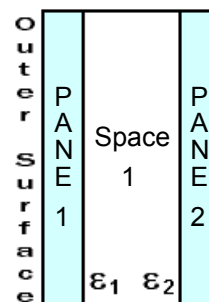
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.081 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.80 W/m ² .K
-	-	-	2.80 W/m ² .K
-	-	-	2.80 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$\Sigma A_{\text{frame}} : 0.443 \text{ m}^2$

$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 1.248 \text{ W/K}$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.199 m ²	2.744 W/m ² .K	2.406 m	Aluminium Generic
2	Panel	1.358 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$\Sigma A_{\text{panel}} : 1.557 \text{ m}^2$

$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.270 \text{ W/K}$

Mould value : 0.356 W/K

$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.144 \text{ W/K}$

Total Thermal Conductance of Glazing: 5.10W/m².K

Doorset U Value for Unit: 1.5 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

This data has been produced by the Oracle U Value Calculator. The results have not been independently checked or verified by Build Check Ltd /

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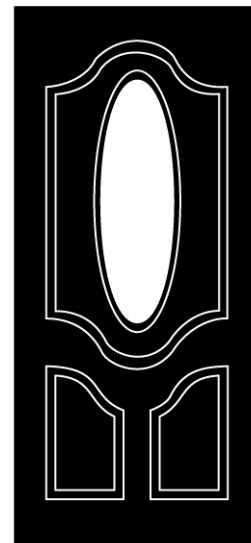
On behalf of customer: VOLANTE 1

Calculation undertaken following the principles

of EN ISO 10077-1:2006 and verified by: Lisa Redfern

Calculation Date: 20/04/2011

Doorset: Eminence EM01, Plastic Frame (PVC Hollow with 3 Chambers)



Summary of U Value Calculation

Basic Dimensions See GGF Data Sheet 2.2 for standard door size guidance

Width of Opening: 1000 mm

Height of Opening: 2000 mm

Door Glazing Profile

Number of Spaces: 1 (Double Glazing)

Gas Temperature: 283.15 K (10°C)

Normal Emissivity of Internal Glass Surface: 0.89

Space	Width	Gas Type
1	16 mm	Air Filled

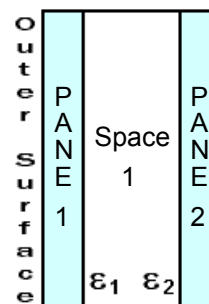
Space	e1	e2
1	0.89 (0.84 corr)	0.89 (0.84 corr)

Pane	Thickness
1	4 mm
2	4 mm

Total Thickness of Glazing: 24 mm

External Heat Transfer Coefficient: 23 W/m².K

Internal Heat Transfer Coefficient: 8.0 W/m².K



Configuration of Unit: Frame & Pane Areas

Numbers on each frame edge correspond to the Frame Side in the frame table on the next page, and Circled Numbers refer to the Pane in the panes table.

Summary of U Value Calculation (continued)

Door Frame

Side	A f,i	A f,e	A frame	Int. Frame W	Ext. Frame W
1	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
2	0.049 m ²	0.067 m ²	0.067 m ²	52 mm	72 mm
3	0.102 m ²	0.141 m ²	0.141 m ²	52 mm	72 mm
4	0.007 m ²	0.014 m ²	0.014 m ²	7 mm	15 mm
Cassette	-	-	0.083 m ²	-	-

A f,di	A f,de	Thm Break	U frame
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
-	-	-	2.00 W/m ² .K
0.049 m ²	0.007 m ²	0.0 mm	10.36 W/m ² .K
-	-	-	1.58 W/m ² .K

$$\Sigma A_{\text{frame}} : 0.445 \text{ m}^2$$

$$\Sigma A_{\text{frame}} \cdot U_{\text{frame}} : 0.972 \text{ W/K}$$

Door Panes

Pane	Type	A panel	U panel	Perimeter	Spacer
1	Panel	0.301 m ²	2.744 W/m ² .K	2.233 m	Aluminium Generic
2	Panel	1.254 m ²	0.534 W/m ² .K	5.674 m	None

psi panel
0.060
0.000

$$\Sigma A_{\text{panel}} : 1.555 \text{ m}^2$$

$$\Sigma A_{\text{panel}} \cdot U_{\text{panel}} : 1.496 \text{ W/K}$$

$$\text{Mould value} : 0.312 \text{ W/K}$$

$$\Sigma l_{\text{panel}} \cdot \psi_{\text{panel}} : 0.134 \text{ W/K}$$

$$\text{Total Thermal Conductance of Glazing} : 5.10 \text{ W/m}^2 \cdot \text{K}$$

Doorset U Value for Unit: 1.5 W/m².K

This calculation is only valid when relevant components have been sourced from Distinction Door Solutions Ltd

Important Note

This data has been produced by the Oracle U Value Calculator. The results have not been independently checked or verified by Build Check Ltd /