

Fenestration Certification Labels

Manufacturer: Innovation Building Group 2016 Ltd.

Project No.: 18965
Report No.: 18965-3BP

1. Performance Class and Performance Grade permanent marking example for the entire Window System Assembly:

 Evaluated to/Évalué pour: CSA 101/I.S.2/A440-17	Innovation Building Group 2016 Ltd. Telephone: (604) 932-3807, Email: bonnie@innovationbuilding.com Address: #15 - 1005 Alpha Lake Rd., Whistler, B.C., V8E 0H5, Canada Fixed Window – FW Softline 82: Class CW – PG45 – Size tested: 1200 mm x 2030 mm – Type FW Class CW – PG45 – Size tested: 59.1 inches x 79.9 inches Design Pressure (DP): ±2160 Pa Water Penetration Resistance Test Pressure: 440 Pa Canadian Air Infiltration/Exfiltration: Fixed Level
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Legend:

Class CW

PG45

Size tested 1200 x 2030 mm

Size tested 59.1 x 79.9 in

Fixed Window (Type FW)

– Performance Class

– Performance Grade (IP)

– Maximum size tested (SI)

– Maximum size tested (IP)

– Product type

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2. Energy Performance marking example – Glass option #1:

Innovation Building Group 2016 Ltd. Telephone: (604) 932-3807, Email: bonnie@innovationbuilding.com Address: #15 – 1005 Alpha Lake Road, Whistler, BC, V8E 0H5						
Energy Performance Results for Fixed Window – FW Softline 82 Vinyl PVC-Rigid frame; Triple glazed system as described below; Argon 90% gap filled; Spacer: Chromatech Ultra; Weather stripping: EPDM; IGU Sealant: Butyl Rubber and Silicone.						
MODEL NO: FW Softline 82						
No. of glazing layers	Glazing option no.	Glass surface coatings	Glass type(s)	Spacer type(s)	Gap fill(s)	Gap width(s)
3*	1**	Glas Trosch AG EN2plus Eurofloat Surface 2 – $\epsilon=0.054$ Surface 5 – $\epsilon=0.054$	4mm Clear 4mm Clear 4mm Clear	Chromatech Ultra	Argon 90% Argon 90%	18 mm 18 mm
ENERGY PERFORMANCE RATINGS						
U factor [W/m² · K] 0.89		SOLAR HEAT GAIN COEFFICIENT 0.39		Visible Transmittance 0.58		
Air Leakage [L/s · m²] 0			Condensation Resistance 78.3		Energy Rating 43	
Thermal performance and visual transmittance ratings certified to CSA A440.2-19 & NFRC 100-17. Ratings are determined for fixed set of environmental conditions and a specific product. LabTest Certification Inc. agency does not recommend or warrant product for any specific use. Les taux de performance thermique et de transmission visuelle certifiées selon la norme CSA A440.2-14 & NFRC 100-17. L'évaluation est déterminée pour un ensemble fixe de conditions environnementales et un produit spécifique. LabTest Certification Inc. ne recommande pas et ne recommande aucun produit pour une utilisation particulière.						
<u>Glass types:</u> Glas Trosch AG EN2plus Eurofloat ($\epsilon=0.054$) on 4mm Clear						
NOTES: * First numeral represents the number of glazing layers according to Listing Report (can be only 2 or 3); ** Second numeral represents the Glazing Option according to Listing Report (can be only 1 through 5).						

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3. Energy Performance marking example – Glass option #2:

Innovation Building Group 2016 Ltd. Telephone: (604) 932-3807, Email: bonnie@innovationbuilding.com Address: #15 – 1005 Alpha Lake Road, Whistler, BC, V8E 0H5						
Energy Performance Results for Fixed Window – FW Softline 82 Vinyl PVC-Rigid frame; Triple glazed system as described below; Argon 90% gap filled; Spacer: Chromatech Ultra; Weather stripping: EPDM; IGU Sealant: Butyl Rubber and Silicone.						
MODEL NO: FW Softline 82						
No. of glazing layers	Glazing option no.	Glass surface coatings	Glass type(s)	Spacer type(s)	Gap fill(s)	Gap width(s)
3*	2**	Guardian ClimaGuard 1.0 Surface 2 – $\epsilon=0.023$ Surface 5 – $\epsilon=0.023$	4mm Clear 4mm Clear 4mm Clear	Chromatech Ultra	Argon 90% Argon 90%	16 mm 16 mm
ENERGY PERFORMANCE RATINGS						
U factor [W/m² · K] 0.85		SOLAR HEAT GAIN COEFFICIENT 0.28		Visible Transmittance 0.43		
Air Leakage [L/s · m²] 0			Condensation Resistance 78.5		Energy Rating 37	
Thermal performance and visual transmittance ratings certified to CSA A440.2-19 & NFRC 100-17. Ratings are determined for fixed set of environmental conditions and a specific product. LabTest Certification Inc. agency does not recommend or warrant product for any specific use. Les taux de performance thermique et de transmission visuelle certifiées selon la norme CSA A440.2-14 & NFRC 100-17. L'évaluation est déterminée pour un ensemble fixe de conditions environnementales et un produit spécifique. LabTest Certification Inc. ne recommande pas et ne recommande aucun produit pour une utilisation particulière.						
<u>Glass types:</u> Guardian ClimaGuard 1.0 ($\epsilon=0.023$) on 4mm Clear						
NOTES: * First numeral represents the number of glazing layers according to Listing Report (can be only 2 or 3); ** Second numeral represents the Glazing Option according to Listing Report (can be only 1 through 5).						

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4. Energy Performance marking example – Glass option #3:

Innovation Building Group 2016 Ltd. Telephone: (604) 932-3807, Email: bonnie@innovationbuilding.com Address: #15 – 1005 Alpha Lake Road, Whistler, BC, V8E 0H5						
Energy Performance Results for Fixed Window – FW Softline 82 Vinyl PVC-Rigid frame; Triple glazed system as described below; Argon 90% gap filled; Spacer: Chromatech Ultra; Weather stripping: EPDM; IGU Sealant: Butyl Rubber and Silicone.						
MODEL NO: FW Softline 82						
No. of glazing layers	Glazing option no.	Glass surface coatings	Glass type(s)	Spacer type(s)	Gap fill(s)	Gap width(s)
3*	3**	Glas Trosch AG EN2plus Eurofloat Surface 2 – $\epsilon=0.023$ Surface 5 – $\epsilon=0.023$	6mm Clear 6mm Clear 6mm Clear	Chromatech Ultra	Argon 90% Argon 90%	16 mm 16 mm
ENERGY PERFORMANCE RATINGS						
U factor [W/m² · K] 0.85		SOLAR HEAT GAIN COEFFICIENT 0.27		Visible Transmittance 0.42		
Air Leakage [L/s · m²] 0			Condensation Resistance 78.0		Energy Rating 37	
Thermal performance and visual transmittance ratings certified to CSA A440.2-19 & NFRC 100-17. Ratings are determined for fixed set of environmental conditions and a specific product. LabTest Certification Inc. agency does not recommend or warrant product for any specific use. Les taux de performance thermique et de transmission visuelle certifiées selon la norme CSA A440.2-14 & NFRC 100-17. L'évaluation est déterminée pour un ensemble fixe de conditions environnementales et un produit spécifique. LabTest Certification Inc. ne recommande pas et ne recommande aucun produit pour une utilisation particulière.						
<u>Glass types:</u> Guardian ClimaGuard 1.0 ($\epsilon=0.023$) on 6mm Clear <u>NOTES:</u> * First numeral represents the number of glazing layers according to Listing Report (can be only 2 or 3); ** Second numeral represents the Glazing Option according to Listing Report (can be only 1 through 5).						

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5. Energy Performance marking example – Glass option #4:

Innovation Building Group 2016 Ltd. Telephone: (604) 932-3807, Email: bonnie@innovationbuilding.com Address: #15 – 1005 Alpha Lake Road, Whistler, BC, V8E 0H5						
Energy Performance Results for Fixed Window – FW Softline 82 Vinyl PVC-Rigid frame; Double glazed system as described below; Argon 90% gap filled; Spacer: Chromatech Ultra; Weather stripping: EPDM; IGU Sealant: Butyl Rubber and Silicone.						
MODEL NO: FW Softline 82						
No. of glazing layers	Glazing option no.	Glass surface coatings	Glass type(s)	Spacer type(s)	Gap fill(s)	Gap width(s)
2*	4**	Glas Trosch AG EN2plus Eurofloat Surface 3 – ε=0.054	4mm Clear 4mm Clear	Chromatech Ultra	Argon 90%	16 mm
ENERGY PERFORMANCE RATINGS						
U factor [W/m² · K] 1.51		SOLAR HEAT GAIN COEFFICIENT 0.49		Visible Transmittance 0.64		
Air Leakage [L/s · m²] 0			Condensation Resistance 62.1		Energy Rating 35	
Thermal performance and visual transmittance ratings certified to CSA A440.2-19 & NFRC 100-17. Ratings are determined for fixed set of environmental conditions and a specific product. LabTest Certification Inc. agency does not recommend or warrant product for any specific use. Les taux de performance thermique et de transmission visuelle certifiées selon la norme CSA A440.2-14 & NFRC 100-17. L'évaluation est déterminée pour un ensemble fixe de conditions environnementales et un produit spécifique. LabTest Certification Inc. ne recommande pas et ne recommande aucun produit pour une utilisation particulière.						
<u>Glass types:</u> Glas Trosch AG EN2plus Eurofloat (ε=0.054) on 4mm Clear NOTES: * First numeral represents the number of glazing layers according to Listing Report (can be only 2 or 3); ** Second numeral represents the Glazing Option according to Listing Report (can be only 1 through 5).						

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6. Energy Performance marking example – Glass option #5:

Innovation Building Group 2016 Ltd. Telephone: (604) 932-3807, Email: bonnie@innovationbuilding.com Address: #15 – 1005 Alpha Lake Road, Whistler, BC, V8E 0H5						
Energy Performance Results for Fixed Window – FW Softline 82 Vinyl PVC-Rigid frame; Double glazed system as described below; Argon 90% gap filled; Spacer: Chromatech Ultra; Weather stripping: EPDM; IGU Sealant: Butyl Rubber and Silicone.						
MODEL NO: FW Softline 82						
No. of glazing layers	Glazing option no.	Glass surface coatings	Glass type(s)	Spacer type(s)	Gap fill(s)	Gap width(s)
2*	5**	Glas Trosch AG EN2plus Eurofloat Surface 3 – ε=0.054	6mm Clear 6mm Clear	Chromatech Ultra	Argon 90%	16 mm
ENERGY PERFORMANCE RATINGS						
U factor [W/m² · K] 1.50		SOLAR HEAT GAIN COEFFICIENT 0.47		Visible Transmittance 0.64		
Air Leakage [L/s · m²] 0			Condensation Resistance 61.5		Energy Rating 34	
Thermal performance and visual transmittance ratings certified to CSA A440.2-19 & NFRC 100-17. Ratings are determined for fixed set of environmental conditions and a specific product. LabTest Certification Inc. agency does not recommend or warrant product for any specific use. Les taux de performance thermique et de transmission visuelle certifiées selon la norme CSA A440.2-14 & NFRC 100-17. L'évaluation est déterminée pour un ensemble fixe de conditions environnementales et un produit spécifique. LabTest Certification Inc. ne recommande pas et ne recommande aucun produit pour une utilisation particulière.						
<u>Glass types:</u> Glas Trosch AG EN2plus Eurofloat (ε=0.054) on 6mm Clear NOTES: * First numeral represents the number of glazing layers according to Listing Report (can be only 2 or 3); ** Second numeral represents the Glazing Option according to Listing Report (can be only 1 through 5).						