



Manufacturer's Certification Statement

Magic Window, provides this Manufacturer's Certification Statement to certify that that Magic windows and doors listed on the following pages of this Certification Statement are eligible for the energy tax credits provided in the American Recovery and Reinvestment Act of 2009. The 2009 Act modifies the tax credit for certain energy efficient components that are purchased and installed from January 1, 2009 through December 31, 2010.

The IRS defines windows and doors that are eligible for the tax credits allowed under Section 25C of the Internal Revenue Code, as "Eligible Building Envelope Components" and requires that certain criteria to be met such as performance criteria ≤ 0.30 U-Factor and ≤ 0.30 Solar Heat Gain Coefficient/SHGC.

The energy performance ratings for the products listed in this Certification Statement have been independently tested and verified by National Fenestration Rating Council (NFRC).

Under penalties of perjury, I declare that I have examined this certification statement and to the best of my knowledge and belief, the facts are true, correct and complete.

A handwritten signature in black ink that reads "Sol Goldenberg".

Sol Goldenberg
President
Magic Window

*IRS guidance indicates that taxpayers **are not** required to attach the Manufacturer's Certification Statement to their tax returns. Taxpayers should retain this Certification as part of their tax records.*

This document is not intended to constitute legal or tax advice. More comprehensive information is available with the IRS. Magic Window disclaims any responsibility for determining whether a purchaser will receive the energy tax credit. Purchaser should consult their own independent tax advisers.

Magic Window and its dealers assume no responsibility regarding the homeowner's ability to obtain tax credits.

This data is accurate as of January 2010. Due to on-going product changes, on-going testing and certification and changing industry standards and requirements, this data may change over time. This statement may also be updated periodically to reflect changes to product ratings.

MAGIC WINDOW PRODUCTS

SERIES 101 HUNG

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-28-00001-00001	71/38-arg-CI, dl	VY/VY	0.27	0.29	0.52	61	2	0.027(2)
MGW-M-28-00001-00002	71/38-arg-CI, dl, Rectangular div	VY/VY	0.27	0.26	0.46	61	2	0.027(2)
MGW-M-28-00002-00001	71/38-arg-CI, dl, Lg-Georgian div	VY/VY	0.29	0.26	0.46	61	2	0.027(2)
MGW-M-28-00003-00001	71/38-arg-CI, dl, Sm-Georgian div	VY/VY	0.28	0.26	0.46	61	2	0.027(2)
MGW-M-28-00004-00001	63/31-arg-CI, dl	VY/VY	0.27	0.23	0.46	61	2	0.026(2)
MGW-M-28-00004-00002	63/31-arg-CI, dl, Rectangular div	VY/VY	0.27	0.21	0.41	61	2	0.026(2)
MGW-M-28-00005-00001	63/31-arg-CI, dl, Lg-Georgian div	VY/VY	0.29	0.21	0.41	61	2	0.026(2)
MGW-M-28-00006-00001	63/31-arg-CI, dl, Sm-Georgian div	VY/VY	0.28	0.21	0.41	61	2	0.026(2)
MGW-M-28-00007-00001	71/38-arg-CI, dl Foam	VY/VY	0.26	0.29	0.52	61	2	0.027(2)
MGW-M-28-00007-00002	71/38-arg-CI, dl Foam, Rectangular div	VY/VY	0.26	0.26	0.46	61	2	0.027(2)
MGW-M-28-00008-00001	71/38-arg-CI, dl Foam, Lg-Georgian div	VY/VY	0.28	0.26	0.46	61	2	0.027(2)
MGW-M-28-00009-00001	71/38-arg-CI, dl Foam, Sm-Georgian div	VY/VY	0.28	0.26	0.46	61	2	0.027(2)
MGW-M-28-00010-00001	63/31-arg-CI, dl Foam	VY/VY	0.26	0.23	0.46	61	2	0.026(2)
MGW-M-28-00010-00002	63/31-arg-CI, dl Foam, Rectangular div	VY/VY	0.26	0.21	0.41	61	2	0.026(2)
MGW-M-28-00011-00001	63/31-arg-CI, dl Foam, Lg-Georgian div	VY/VY	0.28	0.21	0.41	61	2	0.026(2)
MGW-M-28-00012-00001	63/31-arg-CI, dl Foam, Sm-Georgian div	VY/VY	0.28	0.21	0.41	61	2	0.026(2)

SERIES 102 SLIDER (OX, XO, XX, XOX)

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-27-00001-00001	71/38-arg-CI, dl	VY/VY	0.28	0.29	0.52	62	2	0.027(2)
MGW-M-27-00001-00002	71/38-arg-CI, dl, Rectangular div	VY/VY	0.28	0.26	0.46	62	2	0.027(2)
MGW-M-27-00002-00001	71/38-arg-CI, dl, Lg-Georgian div	VY/VY	0.29	0.26	0.46	62	2	0.027(2)
MGW-M-27-00003-00001	71/38-arg-CI, dl, Sm-Georgian div	VY/VY	0.29	0.26	0.46	62	2	0.027(2)
MGW-M-27-00004-00001	63/31-arg-CI, dl	VY/VY	0.28	0.23	0.46	62	2	0.026(2)
MGW-M-27-00004-00002	63/31-arg-CI, dl, Rectangular div	VY/VY	0.28	0.21	0.41	62	2	0.026(2)
MGW-M-27-00005-00001	63/31-arg-CI, dl, Lg-Georgian div	VY/VY	0.29	0.21	0.41	62	2	0.026(2)
MGW-M-27-00006-00001	63/31-arg-CI, dl, Sm-Georgian div	VY/VY	0.29	0.21	0.41	62	2	0.026(2)
MGW-M-27-00007-00001	71/38-arg-CI, dl Foam	VY/VY	0.27	0.29	0.52	62	2	0.027(2)
MGW-M-27-00007-00002	71/38-arg-CI, dl Foam, Rectangular div	VY/VY	0.27	0.26	0.46	62	2	0.027(2)
MGW-M-27-00008-00001	71/38-arg-CI, dl Foam, Lg-Georgian div	VY/VY	0.28	0.26	0.46	62	2	0.027(2)
MGW-M-27-00009-00001	71/38-arg-CI, dl Foam, Sm-Georgian div	VY/VY	0.28	0.26	0.46	62	2	0.027(2)
MGW-M-27-00010-00001	63/31-arg-CI, dl Foam	VY/VY	0.27	0.23	0.46	62	2	0.026(2)
MGW-M-27-00010-00002	63/31-arg-CI, dl Foam, Rectangular div	VY/VY	0.27	0.21	0.41	62	2	0.026(2)
MGW-M-27-00011-00001	63/31-arg-CI, dl Foam, Lg-Georgian div	VY/VY	0.28	0.21	0.41	62	2	0.026(2)
MGW-M-27-00012-00001	63/31-arg-CI, dl Foam, Sm-Georgian div	VY/VY	0.28	0.21	0.41	62	2	0.026(2)

SERIES 300 PICTURE / FIXED

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-22-00001-00002	7138-arg-CI, dl, Rectangular	VY/NA	0.27	0.29	0.51	62	2	0.027(2)
MGW-M-22-00002-00001	7138-arg-CI, dl, Lg-Georgian	VY/NA	0.29	0.29	0.51	62	2	0.027(2)
MGW-M-22-00003-00001	7138-arg-CI, dl, Sm-Georgian	VY/NA	0.28	0.29	0.51	62	2	0.027(2)
MGW-M-22-00004-00001	6331-arg-CI, dl	VY/NA	0.27	0.26	0.51	62	2	0.026(2)
MGW-M-22-00004-00002	6331-arg-CI, dl, Rectangular	VY/NA	0.27	0.23	0.46	62	2	0.026(2)
MGW-M-22-00005-00001	6331-arg-CI, dl, Lg-Georgian	VY/NA	0.29	0.23	0.46	62	2	0.026(2)
MGW-M-22-00006-00001	6331-arg-CI, dl, Sm-Georgian	VY/NA	0.28	0.23	0.46	62	2	0.026(2)

SERIES 301 HUNG

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-25-00001-00001	7138-arg-CI, dl	VI/VY	0.28	0.3	0.53	60	2	0.027(2)
MGW-M-25-00001-00002	7138-arg-CI, dl, Rectangular	VI/VY	0.28	0.27	0.48	60	2	0.027(2)
MGW-M-25-00002-00001	7138-arg-CI, dl, Lg-Georgian	VI/VY	0.29	0.27	0.48	60	2	0.027(2)
MGW-M-25-00003-00001	7138-arg-CI, dl, Sm-Georgian	VI/VY	0.29	0.27	0.48	60	2	0.027(2)
MGW-M-25-00004-00001	7138-arg-7138, dl	VI/VY	0.27	0.28	0.46	61	2	0.027(2),0.027(3)

MGW-M-25-00004-00002	7138-arg-7138, dl, Rectangular	VI/VY	0.27	0.25	0.41	61	2	0.027(2),0.027(3)
MGW-M-25-00005-00001	7138-arg-7138, dl, Lg-Georgian	VI/VY	0.29	0.25	0.41	61	2	0.027(2),0.027(3)
MGW-M-25-00006-00001	7138-arg-7138, dl, Sm-Georgian	VI/VY	0.28	0.25	0.41	61	2	0.027(2),0.027(3)
MGW-M-25-00007-00001	366-arg-CI, dl	VI/VY	0.27	0.21	0.49	61	2	0.022(2)
MGW-M-25-00007-00002	366-arg-CI, dl, Rectangular	VI/VY	0.27	0.19	0.43	61	2	0.022(2)
MGW-M-25-00008-00001	366-arg-CI, dl, Lg-Georgian	VI/VY	0.29	0.19	0.43	61	2	0.022(2)
MGW-M-25-00009-00001	366-arg-CI, dl, Sm-Georgian	VI/VY	0.29	0.19	0.43	61	2	0.022(2)
MGW-M-25-00010-00001	366-arg-366, dl	VI/VY	0.27	0.2	0.39	61	2	0.022(2),0.022(3)
MGW-M-25-00010-00002	366-arg-366, dl, Rectangular	VI/VY	0.27	0.18	0.34	61	2	0.022(2),0.022(3)
MGW-M-25-00011-00001	366-arg-366, dl, Lg-Georgian	VI/VY	0.28	0.18	0.34	61	2	0.022(2),0.022(3)
MGW-M-25-00012-00001	366-arg-366, dl, Sm-Georgian	VI/VY	0.28	0.18	0.34	61	2	0.022(2),0.022(3)
MGW-M-25-00019-00001	SB70-arg-CI, dl	VI/VY	0.27	0.21	0.48	60	2	0.018(2)
MGW-M-25-00019-00002	SB70-arg-CI, dl, Rectangular	VI/VY	0.27	0.19	0.43	60	2	0.018(2)
MGW-M-25-00020-00001	SB70-arg-CI, dl, Lg-Georgian	VI/VY	0.29	0.19	0.43	60	2	0.018(2)
MGW-M-25-00021-00001	SB70-arg-CI, dl, Sm-Georgian	VI/VY	0.29	0.19	0.43	60	2	0.018(2)
MGW-M-25-00022-00001	7138-arg-CI, fdl, Foam	VI/VF	0.25	0.3	0.53	61	2	0.027(2)
MGW-M-25-00022-00002	7138-arg-CI, fdl, Foam, Rectangular	VI/VF	0.25	0.27	0.48	61	2	0.027(2)
MGW-M-25-00023-00001	7138-arg-CI, fdl, Foam, Lg-Georgian	VI/VF	0.27	0.27	0.48	61	2	0.027(2)
MGW-M-25-00024-00001	7138-arg-CI, fdl, Foam, Sm-Georgian	VI/VF	0.27	0.27	0.48	61	2	0.027(2)
MGW-M-25-00025-00001	7138-arg-7138, fdl, Foam	VI/VF	0.25	0.28	0.46	62	2	0.027(2),0.027(3)
MGW-M-25-00025-00002	7138-arg-7138, fdl, Foam, Rectangular	VI/VF	0.25	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-25-00026-00001	7138-arg-7138, fdl, Foam, Lg-Georgian	VI/VF	0.27	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-25-00027-00001	7138-arg-7138, fdl, Foam, Sm-Georgian	VI/VF	0.26	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-25-00028-00001	366-arg-CI, fdl, Foam	VI/VF	0.25	0.21	0.49	61	2	0.022(2)
MGW-M-25-00028-00002	366-arg-CI, fdl, Foam, Rectangular	VI/VF	0.25	0.19	0.43	61	2	0.022(2)
MGW-M-25-00029-00001	366-arg-CI, fdl, Foam, Lg-Georgian	VI/VF	0.27	0.19	0.43	61	2	0.022(2)
MGW-M-25-00030-00001	366-arg-CI, fdl, Foam, Sm-Georgian	VI/VF	0.27	0.19	0.43	61	2	0.022(2)
MGW-M-25-00031-00001	366-arg-366, fdl, Foam	VI/VF	0.25	0.2	0.39	62	2	0.022(2),0.022(3)
MGW-M-25-00031-00002	366-arg-366, fdl, Foam, Rectangular	VI/VF	0.25	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-25-00032-00001	366-arg-366, fdl, Foam, Lg-Georgian	VI/VF	0.26	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-25-00033-00001	366-arg-366, fdl, Foam, Sm-Georgian	VI/VF	0.26	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-25-00040-00001	SB70-arg-CI, fdl, Foam	VI/VF	0.25	0.21	0.48	61	2	0.018(2)
MGW-M-25-00040-00002	SB70-arg-CI, fdl, Foam, Rectangular	VI/VF	0.25	0.19	0.43	61	2	0.018(2)
MGW-M-25-00041-00001	SB70-arg-CI, fdl, Foam, Lg-Georgian	VI/VF	0.27	0.19	0.43	61	2	0.018(2)
MGW-M-25-00042-00001	SB70-arg-CI, fdl, Foam, Sm-Georgian	VI/VF	0.27	0.19	0.43	61	2	0.018(2)

**SERIES 302 SLIDER (OX,
XO, XOX)**

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-24-00001-00001	7138-arg-CI, dl	VI/VY	0.28	0.3	0.54	61	2	0.027(2)
MGW-M-24-00001-00002	7138-arg-CI, dl, Rectangular	VI/VY	0.28	0.27	0.48	61	2	0.027(2)
MGW-M-24-00002-00001	7138-arg-CI, dl, Lg-Georgian	VI/VY	0.3	0.27	0.48	61	2	0.027(2)
MGW-M-24-00003-00001	7138-arg-CI, dl, Sm-Georgian	VI/VY	0.29	0.27	0.48	61	2	0.027(2)
MGW-M-24-00004-00001	7138-arg-7138, dl	VI/VY	0.28	0.28	0.46	62	2	0.027(2),0.027(3)
MGW-M-24-00004-00002	7138-arg-7138, dl, Rectangular	VI/VY	0.28	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-24-00005-00001	7138-arg-7138, dl, Lg-Georgian	VI/VY	0.29	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-24-00006-00001	7138-arg-7138, dl, Sm-Georgian	VI/VY	0.29	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-24-00007-00001	366-arg-CI, dl	VI/VY	0.28	0.21	0.49	61	2	0.022(2)
MGW-M-24-00007-00002	366-arg-CI, dl, Rectangular	VI/VY	0.28	0.19	0.43	61	2	0.022(2)
MGW-M-24-00008-00001	366-arg-CI, dl, Lg-Georgian	VI/VY	0.29	0.19	0.43	61	2	0.022(2)
MGW-M-24-00009-00001	366-arg-CI, dl, Sm-Georgian	VI/VY	0.29	0.19	0.43	61	2	0.022(2)
MGW-M-24-00010-00001	366-arg-366, dl	VI/VY	0.27	0.2	0.39	62	2	0.022(2),0.022(3)
MGW-M-24-00010-00002	366-arg-366, dl, Rectangular	VI/VY	0.27	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-24-00011-00001	366-arg-366, dl, Lg-Georgian	VI/VY	0.29	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-24-00012-00001	366-arg-366, dl, Sm-Georgian	VI/VY	0.28	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-24-00019-00001	SB70-arg-CI, dl	VI/VY	0.28	0.21	0.49	61	2	0.018(2)
MGW-M-24-00019-00002	SB70-arg-CI, dl, Rectangular	VI/VY	0.28	0.19	0.43	61	2	0.018(2)
MGW-M-24-00020-00001	SB70-arg-CI, dl, Lg-Georgian	VI/VY	0.29	0.19	0.43	61	2	0.018(2)
MGW-M-24-00021-00001	SB70-arg-CI, fdl, Sm-Georgian	VI/VY	0.29	0.19	0.43	61	2	0.018(2)
MGW-M-24-00022-00001	7138-arg-CI, fdl, Foam	VI/VF	0.26	0.3	0.54	61	2	0.027(2)
MGW-M-24-00022-00002	7138-arg-CI, fdl, Foam, Rectangular	VI/VF	0.26	0.27	0.48	61	2	0.027(2)

MGW-M-24-00023-00001	7138-arg-Cl, fdl, Foam, Lg-Georgian	VI/VF	0.28	0.27	0.48	61	2	0.027(2)
MGW-M-24-00024-00001	7138-arg-Cl, fdl, Foam, Sm-Georgian	VI/VF	0.27	0.27	0.48	61	2	0.027(2)
MGW-M-24-00025-00001	7138-arg-7138, fdl, Foam	VI/VF	0.26	0.28	0.46	62	2	0.027(2),0.027(3)
MGW-M-24-00025-00002	7138-arg-7138, fdl, Foam, Rectangular	VI/VF	0.26	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-24-00026-00001	7138-arg-7138, fdl, Foam, Lg-Georgian	VI/VF	0.27	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-24-00027-00001	7138-arg-7138, fdl, Foam, Sm-Georgian	VI/VF	0.27	0.25	0.41	62	2	0.027(2),0.027(3)
MGW-M-24-00028-00001	366-arg-Cl, fdl, Foam	VI/VF	0.26	0.21	0.49	61	2	0.022(2)
MGW-M-24-00028-00002	366-arg-Cl, fdl, Foam, Rectangular	VI/VF	0.26	0.19	0.43	61	2	0.022(2)
MGW-M-24-00029-00001	366-arg-Cl, fdl, Foam, Lg-Georgian	VI/VF	0.28	0.19	0.43	61	2	0.022(2)
MGW-M-24-00030-00001	366-arg-Cl, fdl, Foam, Sm-Georgian	VI/VF	0.27	0.19	0.43	61	2	0.022(2)
MGW-M-24-00031-00001	366-arg-366, fdl, Foam	VI/VF	0.26	0.2	0.39	62	2	0.022(2),0.022(3)
MGW-M-24-00031-00002	366-arg-366, fdl, Foam, Rectangular	VI/VF	0.26	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-24-00032-00001	366-arg-366, fdl, Foam, Lg-Georgian	VI/VF	0.27	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-24-00033-00001	366-arg-366, fdl, Foam, Sm-Georgian	VI/VF	0.26	0.18	0.34	62	2	0.022(2),0.022(3)
MGW-M-24-00040-00001	SB70-arg-Cl, fdl, Foam	VI/VF	0.26	0.21	0.49	61	2	0.018(2)
MGW-M-24-00040-00002	SB70-arg-Cl, fdl, Foam, Rectangular	VI/VF	0.26	0.19	0.43	61	2	0.018(2)
MGW-M-24-00041-00001	SB70-arg-Cl, fdl, Foam, Lg-Georgian	VI/VF	0.28	0.19	0.43	61	2	0.018(2)
MGW-M-24-00042-00001	SB70-arg-Cl, fdl, Foam, Sm-Georgian	VI/VF	0.27	0.19	0.43	61	2	0.018(2)

**SERIES 400 PICTURE /
FIXED**

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-23-00001-00002	7138-arg-Cl, dl, Rectangular	VY/NA	0.27	0.28	0.51	61	2	0.027(2)
MGW-M-23-00001-00003	7138-arg-Cl, dl, Sm-Georgian	VY/NA	0.27	0.28	0.51	61	2	0.027(2)
MGW-M-23-00001-00004	7138-arg-Cl, dl, Lg-Georgian	VY/NA	0.27	0.28	0.51	61	2	0.027(2)
MGW-M-23-00002-00001	7138-arg-7138, dl	VY/NA	0.26	0.30	0.5	62	2	0.027(2),0.027(3)
MGW-M-23-00002-00002	7138-arg-7138, dl, Rectangular	VY/NA	0.26	0.27	0.44	62	2	0.027(2),0.027(3)
MGW-M-23-00002-00003	7138-arg-7138, dl, Sm-Georgian	VY/NA	0.26	0.27	0.44	62	2	0.027(2),0.027(3)
MGW-M-23-00002-00004	7138-arg-7138, dl, Lg-Georgian	VY/NA	0.26	0.27	0.44	62	2	0.027(2),0.027(3)
MGW-M-23-00003-00001	366-arg-Cl, dl	VY/NA	0.26	0.22	0.52	61	2	0.022(2)
MGW-M-23-00003-00002	366-arg-Cl, dl, Rectangular	VY/NA	0.26	0.2	0.47	61	2	0.022(2)
MGW-M-23-00003-00003	366-arg-Cl, dl, Sm-Georgian	VY/NA	0.26	0.2	0.47	61	2	0.022(2)
MGW-M-23-00003-00004	366-arg-Cl, dl, Lg-Georgian	VY/NA	0.26	0.2	0.47	61	2	0.022(2)
MGW-M-23-00004-00001	366-arg-366, dl	VY/NA	0.26	0.21	0.41	62	2	0.022(2),0.022(3)
MGW-M-23-00004-00002	366-arg-366, dl, Rectangular	VY/NA	0.26	0.19	0.37	62	2	0.022(2),0.022(3)
MGW-M-23-00004-00003	366-arg-366, dl, Sm-Georgian	VY/NA	0.26	0.19	0.37	62	2	0.022(2),0.022(3)
MGW-M-23-00004-00004	366-arg-366, dl, Lg-Georgian	VY/NA	0.26	0.19	0.37	62	2	0.022(2),0.022(3)
MGW-M-23-00005-00001	7138-arg-Cl-arg-7138, tdl	VY/NA	0.19	0.27	0.45	74	3	0.027(2),0.027(5)
MGW-M-23-00006-00001	7138-kry-Cl-kry-7138, tdl	VY/NA	0.15	0.27	0.45	79	3	0.027(2),0.027(5)
MGW-M-23-00007-00001	366-arg-Cl-arg-366, tdl	VY/NA	0.19	0.19	0.38	74	3	0.022(2),0.022(5)
MGW-M-23-00008-00001	366-kry-Cl-kry-366, tdl	VY/NA	0.14	0.19	0.38	79	3	0.022(2),0.022(5)
MGW-M-23-00010-00002	7138-arg-Cl, fdl, Foam, Rectangular	VY/NA	0.25	0.28	0.51	62	2	0.027(2)
MGW-M-23-00010-00003	7138-arg-Cl, fdl, Foam, Sm-Georgian	VY/NA	0.25	0.28	0.51	62	2	0.027(2)
MGW-M-23-00010-00004	7138-arg-Cl, fdl, Foam, Lg-Georgian	VY/NA	0.25	0.28	0.51	62	2	0.027(2)
MGW-M-23-00011-00001	7138-arg-7138, fdl, Foam	VY/NA	0.24	0.30	0.5	63	2	0.027(2),0.027(3)
MGW-M-23-00011-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/NA	0.24	0.27	0.44	63	2	0.027(2),0.027(3)
MGW-M-23-00011-00003	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/NA	0.24	0.27	0.44	63	2	0.027(2),0.027(3)
MGW-M-23-00011-00004	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/NA	0.24	0.27	0.44	63	2	0.027(2),0.027(3)
MGW-M-23-00012-00001	366-arg-Cl, fdl, Foam	VY/NA	0.25	0.22	0.52	62	2	0.022(2)
MGW-M-23-00012-00002	366-arg-Cl, fdl, Foam, Rectangular	VY/NA	0.25	0.2	0.47	62	2	0.022(2)
MGW-M-23-00012-00003	366-arg-Cl, fdl, Foam, Sm-Georgian	VY/NA	0.25	0.2	0.47	62	2	0.022(2)
MGW-M-23-00012-00004	366-arg-Cl, fdl, Foam, Lg-Georgian	VY/NA	0.25	0.2	0.47	62	2	0.022(2)
MGW-M-23-00013-00001	366-arg-366, fdl, Foam	VY/NA	0.24	0.21	0.41	63	2	0.022(2),0.022(3)
MGW-M-23-00013-00002	366-arg-366, fdl, Foam, Rectangular	VY/NA	0.24	0.19	0.37	63	2	0.022(2),0.022(3)
MGW-M-23-00013-00003	366-arg-366, fdl, Foam, Sm-Georgian	VY/NA	0.24	0.19	0.37	63	2	0.022(2),0.022(3)
MGW-M-23-00013-00004	366-arg-366, fdl, Foam, Lg-Georgian	VY/NA	0.24	0.19	0.37	63	2	0.022(2),0.022(3)
MGW-M-23-00016-00001	7138-arg-Cl-arg-7138, tfdl, Foam	VY/NA	0.17	0.27	0.45	75	3	0.027(2),0.027(5)
MGW-M-23-00017-00001	7138-kry-Cl-kry-7138, tfdl, Foam	VY/NA	0.13	0.27	0.45	80	3	0.027(2),0.027(5)
MGW-M-23-00018-00001	366-arg-Cl-arg-366, tfdl, Foam	VY/NA	0.17	0.19	0.38	75	3	0.022(2),0.022(5)
MGW-M-23-00019-00001	366-kry-Cl-kry-366, tfdl, Foam	VY/NA	0.13	0.19	0.38	80	3	0.022(2),0.022(5)

SERIES 401 DOUBLE HUNG

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-21-00001-00001	7138-arg-CI, dl	VY/VY	0.28	0.28	0.51	61	2	0.027(2)
MGW-M-21-00001-00002	7138-arg-CI, dl, Rectangular	VY/VY	0.28	0.25	0.45	61	2	0.027(2)
MGW-M-21-00002-00001	7138-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.25	0.45	61	2	0.027(2)
MGW-M-21-00003-00001	7138-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.25	0.45	61	2	0.027(2)
MGW-M-21-00004-00001	7138-arg-7138, dl	VY/VY	0.27	0.27	0.44	62	2	0.027(2),0.027(3)
MGW-M-21-00004-00002	7138-arg-7138, dl, Rectangular	VY/VY	0.27	0.24	0.39	62	2	0.027(2),0.027(3)
MGW-M-21-00005-00001	7138-arg-7138, dl, Lg-Georgian	VY/VY	0.29	0.24	0.39	62	2	0.027(2),0.027(3)
MGW-M-21-00006-00001	7138-arg-7138, dl, Sm-Georgian	VY/VY	0.29	0.24	0.39	62	2	0.027(2),0.027(3)
MGW-M-21-00007-00001	366-arg-CI, dl	VY/VY	0.28	0.2	0.46	61	2	0.022(2)
MGW-M-21-00007-00002	366-arg-CI, dl, Rectangular	VY/VY	0.28	0.18	0.41	61	2	0.022(2)
MGW-M-21-00008-00001	366-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.18	0.41	61	2	0.022(2)
MGW-M-21-00009-00001	366-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.18	0.41	61	2	0.022(2)
MGW-M-21-00010-00001	366-arg-366, dl	VY/VY	0.27	0.19	0.37	62	2	0.022(2),0.022(3)
MGW-M-21-00010-00002	366-arg-366, dl, Rectangular	VY/VY	0.27	0.17	0.33	62	2	0.022(2),0.022(3)
MGW-M-21-00011-00001	366-arg-366, dl, Lg-Georgian	VY/VY	0.28	0.17	0.33	62	2	0.022(2),0.022(3)
MGW-M-21-00012-00001	366-arg-366, dl, Sm-Georgian	VY/VY	0.28	0.17	0.33	62	2	0.022(2),0.022(3)
MGW-M-21-00019-00001	SB70-arg-CI, dl	VY/VY	0.28	0.2	0.46	61	2	0.018(2)
MGW-M-21-00019-00002	SB70-arg-CI, dl, Rectangular	VY/VY	0.28	0.18	0.41	61	2	0.018(2)
MGW-M-21-00020-00001	SB70-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.18	0.41	61	2	0.018(2)
MGW-M-21-00021-00001	SB70-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.18	0.41	61	2	0.018(2)
MGW-M-21-00022-00001	7138-arg-CI, fdl, Foam	VY/VY	0.27	0.28	0.51	61	2	0.027(2)
MGW-M-21-00022-00002	7138-arg-CI, fdl, Foam, Rectangular	VY/VY	0.27	0.25	0.45	61	2	0.027(2)
MGW-M-21-00023-00001	7138-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.25	0.45	61	2	0.027(2)
MGW-M-21-00024-00001	7138-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.25	0.45	61	2	0.027(2)
MGW-M-21-00025-00001	7138-arg-7138, fdl, Foam	VY/VY	0.26	0.27	0.44	62	2	0.027(2),0.027(3)
MGW-M-21-00025-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/VY	0.26	0.24	0.39	62	2	0.027(2),0.027(3)
MGW-M-21-00026-00001	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.24	0.39	62	2	0.027(2),0.027(3)
MGW-M-21-00027-00001	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.24	0.39	62	2	0.027(2),0.027(3)
MGW-M-21-00028-00001	366-arg-CI, fdl, Foam	VY/VY	0.26	0.2	0.46	61	2	0.022(2)
MGW-M-21-00028-00002	366-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.18	0.41	61	2	0.022(2)
MGW-M-21-00029-00001	366-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.18	0.41	61	2	0.022(2)
MGW-M-21-00030-00001	366-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.18	0.41	61	2	0.022(2)
MGW-M-21-00031-00001	366-arg-366, fdl, Foam	VY/VY	0.26	0.19	0.37	62	2	0.022(2),0.022(3)
MGW-M-21-00031-00002	366-arg-366, fdl, Foam, Rectangular	VY/VY	0.26	0.17	0.33	62	2	0.022(2),0.022(3)
MGW-M-21-00032-00001	366-arg-366, fdl, Foam, Lg-Georgian	VY/VY	0.27	0.17	0.33	62	2	0.022(2),0.022(3)
MGW-M-21-00033-00001	366-arg-366, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.17	0.33	62	2	0.022(2),0.022(3)
MGW-M-21-00040-00001	SB70-arg-CI, fdl, Foam	VY/VY	0.26	0.2	0.46	61	2	0.018(2)
MGW-M-21-00040-00002	SB70-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.18	0.41	61	2	0.018(2)
MGW-M-21-00041-00001	SB70-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.18	0.41	61	2	0.018(2)
MGW-M-21-00042-00001	SB70-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.18	0.41	61	2	0.018(2)
MGW-M-21-00043-00001	6331-arg-CI, dl	VY/VY	0.28	0.23	0.46	61	2	0.026(2)
MGW-M-21-00043-00002	6331-arg-CI, dl, Rectangular	VY/VY	0.28	0.21	0.4	61	2	0.026(2)
MGW-M-21-00044-00001	6331-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.21	0.4	61	2	0.026(2)
MGW-M-21-00045-00001	6331-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.21	0.4	61	2	0.026(2)

SERIES 402 DOUBLE SLIDER (XX, XXX, XOX)

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-20-00001-00001	7138-arg-CI, dl	VY/VY	0.28	0.28	0.51	62	2	0.027(2)
MGW-M-20-00001-00002	7138-arg-CI, dl, Rectangular	VY/VY	0.28	0.25	0.45	62	2	0.027(2)
MGW-M-20-00002-00001	7138-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.25	0.45	62	2	0.027(2)
MGW-M-20-00003-00001	7138-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.25	0.45	62	2	0.027(2)
MGW-M-20-00004-00001	7138-arg-7138, dl	VY/VY	0.27	0.27	0.44	63	2	0.027(2),0.027(3)
MGW-M-20-00004-00002	7138-arg-7138, dl, Rectangular	VY/VY	0.27	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-20-00005-00001	7138-arg-7138, dl, Lg-Georgian	VY/VY	0.29	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-20-00006-00001	7138-arg-7138, dl, Sm-Georgian	VY/VY	0.29	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-20-00007-00001	366-arg-CI, dl	VY/VY	0.28	0.2	0.46	62	2	0.022(2)

MGW-M-20-00007-00002	366-arg-CI, dl, Rectangular	VY/VY	0.28	0.18	0.41	62	2	0.022(2)
MGW-M-20-00008-00001	366-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.18	0.41	62	2	0.022(2)
MGW-M-20-00009-00001	366-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.18	0.41	62	2	0.022(2)
MGW-M-20-00010-00001	366-arg-366, dl	VY/VY	0.27	0.19	0.37	63	2	0.022(2),0.022(3)
MGW-M-20-00010-00002	366-arg-366, dl, Rectangular	VY/VY	0.27	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-20-00011-00001	366-arg-366, dl, Lg-Georgian	VY/VY	0.28	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-20-00012-00001	366-arg-366, dl, Sm-Georgian	VY/VY	0.28	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-20-00019-00001	SB70-arg-CI, dl	VY/VY	0.28	0.2	0.46	62	2	0.018(2)
MGW-M-20-00019-00002	SB70-arg-CI, dl, Rectangular	VY/VY	0.28	0.18	0.41	62	2	0.018(2)
MGW-M-20-00020-00001	SB70-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.18	0.41	62	2	0.018(2)
MGW-M-20-00021-00001	SB70-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.18	0.41	62	2	0.018(2)
MGW-M-20-00022-00001	7138-arg-CI, fdl, Foam	VY/VY	0.27	0.28	0.51	62	2	0.027(2)
MGW-M-20-00022-00002	7138-arg-CI, fdl, Foam, Rectangular	VY/VY	0.27	0.25	0.45	62	2	0.027(2)
MGW-M-20-00023-00001	7138-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.25	0.45	62	2	0.027(2)
MGW-M-20-00024-00001	7138-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.25	0.45	62	2	0.027(2)
MGW-M-20-00025-00001	7138-arg-7138, fdl, Foam	VY/VY	0.26	0.27	0.44	63	2	0.027(2),0.027(3)
MGW-M-20-00025-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/VY	0.26	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-20-00026-00001	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-20-00027-00001	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-20-00028-00001	366-arg-CI, fdl, Foam	VY/VY	0.27	0.2	0.46	62	2	0.022(2)
MGW-M-20-00028-00002	366-arg-CI, fdl, Foam, Rectangular	VY/VY	0.27	0.18	0.41	62	2	0.022(2)
MGW-M-20-00029-00001	366-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.18	0.41	62	2	0.022(2)
MGW-M-20-00030-00001	366-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.18	0.41	62	2	0.022(2)
MGW-M-20-00031-00001	366-arg-366, fdl, Foam	VY/VY	0.26	0.19	0.37	63	2	0.022(2),0.022(3)
MGW-M-20-00031-00002	366-arg-366, fdl, Foam, Rectangular	VY/VY	0.26	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-20-00032-00001	366-arg-366, fdl, Foam, Lg-Georgian	VY/VY	0.27	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-20-00033-00001	366-arg-366, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-20-00040-00001	SB70-arg-CI, fdl, Foam	VY/VY	0.27	0.2	0.46	62	2	0.018(2)
MGW-M-20-00040-00002	SB70-arg-CI, fdl, Foam, Rectangular	VY/VY	0.27	0.18	0.41	62	2	0.018(2)
MGW-M-20-00041-00001	SB70-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.18	0.41	62	2	0.018(2)
MGW-M-20-00042-00001	SB70-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.18	0.41	62	2	0.018(2)
MGW-M-20-00043-00001	6331-arg-CI, dl	VY/VY	0.28	0.23	0.46	62	2	0.026(2)
MGW-M-20-00043-00002	6331-arg-CI, dl, Rectangular	VY/VY	0.28	0.21	0.4	62	2	0.026(2)
MGW-M-20-00044-00001	6331-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.21	0.4	62	2	0.026(2)
MGW-M-20-00045-00001	6331-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.21	0.4	62	2	0.026(2)

SERIES 430A AWNING

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-17-00001-00001	7138-arg-CI, dl	VY/VY	0.28	0.26	0.46	59	2	0.027(2)
MGW-M-17-00001-00002	7138-arg-CI, dl, Rectangular	VY/VY	0.28	0.23	0.41	59	2	0.027(2)
MGW-M-17-00001-00003	7138-arg-CI, dl, Sm-Georgian	VY/VY	0.28	0.23	0.41	59	2	0.027(2)
MGW-M-17-00001-00004	7138-arg-CI, dl, Lg-Georgian	VY/VY	0.28	0.23	0.41	59	2	0.027(2)
MGW-M-17-00002-00001	7138-arg-7138, dl	VY/VY	0.27	0.24	0.4	61	2	0.027(2),0.027(3)
MGW-M-17-00002-00002	7138-arg-7138, dl, Rectangular	VY/VY	0.27	0.22	0.36	61	2	0.027(2),0.027(3)
MGW-M-17-00002-00003	7138-arg-7138, dl, Sm-Georgian	VY/VY	0.27	0.22	0.36	61	2	0.027(2),0.027(3)
MGW-M-17-00002-00004	7138-arg-7138, dl, Lg-Georgian	VY/VY	0.27	0.22	0.36	61	2	0.027(2),0.027(3)
MGW-M-17-00003-00001	366-arg-CI, dl	VY/VY	0.27	0.18	0.42	60	2	0.022(2)
MGW-M-17-00003-00002	366-arg-CI, dl, Rectangular	VY/VY	0.27	0.17	0.38	60	2	0.022(2)
MGW-M-17-00003-00003	366-arg-CI, dl, Sm-Georgian	VY/VY	0.27	0.17	0.38	60	2	0.022(2)
MGW-M-17-00003-00004	366-arg-CI, dl, Lg-Georgian	VY/VY	0.27	0.17	0.38	60	2	0.022(2)
MGW-M-17-00004-00001	366-arg-366, dl	VY/VY	0.27	0.17	0.33	61	2	0.022(2),0.022(3)
MGW-M-17-00004-00002	366-arg-366, dl, Rectangular	VY/VY	0.27	0.16	0.30	61	2	0.022(2),0.022(3)
MGW-M-17-00004-00003	366-arg-366, dl, Sm-Georgian	VY/VY	0.27	0.16	0.30	61	2	0.022(2),0.022(3)
MGW-M-17-00004-00004	366-arg-366, dl, Lg-Georgian	VY/VY	0.27	0.16	0.30	61	2	0.022(2),0.022(3)
MGW-M-17-00005-00001	7138-arg-CI-arg-7138, tdl	VY/VY	0.21	0.22	0.36	74	3	0.027(2),0.027(5)
MGW-M-17-00006-00001	7138-kry-CI-kry-7138, tdl	VY/VY	0.18	0.22	0.36	79	3	0.027(2),0.027(5)
MGW-M-17-00007-00001	366-arg-CI-arg-366, tdl	VY/VY	0.21	0.16	0.30	74	3	0.022(2),0.022(5)
MGW-M-17-00008-00001	366-kry-CI-kry-366, tdl	VY/VY	0.18	0.16	0.30	79	3	0.022(2),0.022(5)
MGW-M-17-00010-00001	7138-arg-CI, fdl, Foam	VY/VY	0.26	0.26	0.46	59	2	0.027(2)
MGW-M-17-00010-00002	7138-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.23	0.41	59	2	0.027(2)
MGW-M-17-00010-00003	7138-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.23	0.41	59	2	0.027(2)

MGW-M-17-00010-00004	7138-arg-Cl, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.23	0.41	59	2	0.027(2)
MGW-M-17-00011-00001	7138-arg-7138, fdl, Foam	VY/VY	0.26	0.24	0.4	61	2	0.027(2),0.027(3)
MGW-M-17-00011-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/VY	0.26	0.22	0.36	61	2	0.027(2),0.027(3)
MGW-M-17-00011-00003	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.22	0.36	61	2	0.027(2),0.027(3)
MGW-M-17-00011-00004	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.22	0.36	61	2	0.027(2),0.027(3)
MGW-M-17-00012-00001	366-arg-Cl, fdl, Foam	VY/VY	0.26	0.18	0.42	59	2	0.022(2)
MGW-M-17-00012-00002	366-arg-Cl, fdl, Foam, Rectangular	VY/VY	0.26	0.17	0.38	59	2	0.022(2)
MGW-M-17-00012-00003	366-arg-Cl, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.17	0.38	59	2	0.022(2)
MGW-M-17-00012-00004	366-arg-Cl, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.17	0.38	59	2	0.022(2)
MGW-M-17-00013-00001	366-arg-366, fdl, Foam	VY/VY	0.26	0.17	0.33	61	2	0.022(2),0.022(3)
MGW-M-17-00013-00002	366-arg-366, fdl, Foam, Rectangular	VY/VY	0.26	0.16	0.30	61	2	0.022(2),0.022(3)
MGW-M-17-00013-00003	366-arg-366, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.16	0.30	61	2	0.022(2),0.022(3)
MGW-M-17-00013-00004	366-arg-366, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.16	0.30	61	2	0.022(2),0.022(3)
MGW-M-17-00016-00001	7138-arg-Cl-arg-7138, ftdl, Foam	VY/VY	0.20	0.22	0.36	74	3	0.027(2),0.027(5)
MGW-M-17-00017-00001	7138-kry-Cl-kry-7138, ftdl, Foam	VY/VY	0.17	0.22	0.36	78	3	0.027(2),0.027(5)
MGW-M-17-00018-00001	366-arg-Cl-arg-366, ftdl, Foam	VY/VY	0.20	0.16	0.30	74	3	0.022(2),0.022(5)
MGW-M-17-00019-00001	366-kry-Cl-kry-366, ftdl, Foam	VY/VY	0.17	0.16	0.30	78	3	0.022(2),0.022(5)
MGW-M-17-00022-00001	6331-arg-Cl, dl	VY/VY	0.28	0.21	0.41	60	2	0.026(2)
MGW-M-17-00022-00002	6331-arg-Cl, dl, Rectangular	VY/VY	0.28	0.19	0.37	60	2	0.026(2)
MGW-M-17-00022-00003	6331-arg-Cl, dl, Sm-Georgian	VY/VY	0.28	0.19	0.37	60	2	0.026(2)
MGW-M-17-00022-00004	6331-arg-Cl, dl, Lg-Georgian	VY/VY	0.28	0.19	0.37	60	2	0.026(2)

**SERIES 430C CASEMENT
(X, XX)**

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-12-00005-00001	7138-arg-Cl, dl	VY/VY	0.28	0.26	0.46	63	2	0.027(2)
MGW-M-12-00005-00002	7138-arg-Cl, dl, Rectangular	VY/VY	0.28	0.23	0.41	63	2	0.027(2)
MGW-M-12-00005-00003	7138-arg-Cl, dl, Sm-Georgian	VY/VY	0.28	0.23	0.41	63	2	0.027(2)
MGW-M-12-00005-00004	7138-arg-Cl, dl, Lg-Georgian	VY/VY	0.28	0.23	0.41	63	2	0.027(2)
MGW-M-12-00006-00001	7138-arg-7138, dl	VY/VY	0.28	0.24	0.4	63	2	0.027(2),0.027(3)
MGW-M-12-00006-00002	7138-arg-7138, dl, Rectangular	VY/VY	0.28	0.22	0.36	63	2	0.027(2),0.027(3)
MGW-M-12-00006-00003	7138-arg-7138, dl, Sm-Georgian	VY/VY	0.28	0.22	0.36	63	2	0.027(2),0.027(3)
MGW-M-12-00006-00004	7138-arg-7138, dl, Lg-Georgian	VY/VY	0.28	0.22	0.36	63	2	0.027(2),0.027(3)
MGW-M-12-00007-00001	366-arg-Cl, dl	VY/VY	0.28	0.18	0.42	63	2	0.022(2)
MGW-M-12-00007-00002	366-arg-Cl, dl, Rectangular	VY/VY	0.28	0.17	0.38	63	2	0.022(2)
MGW-M-12-00007-00003	366-arg-Cl, dl, Sm-Georgian	VY/VY	0.28	0.17	0.38	63	2	0.022(2)
MGW-M-12-00007-00004	366-arg-Cl, dl, Lg-Georgian	VY/VY	0.28	0.17	0.38	63	2	0.022(2)
MGW-M-12-00008-00001	366-arg-366, dl	VY/VY	0.28	0.17	0.33	64	2	0.022(2),0.022(3)
MGW-M-12-00008-00002	366-arg-366, dl, Rectangular	VY/VY	0.28	0.16	0.3	64	2	0.022(2),0.022(3)
MGW-M-12-00008-00003	366-arg-366, dl, Sm-Georgian	VY/VY	0.28	0.16	0.3	64	2	0.022(2),0.022(3)
MGW-M-12-00008-00004	366-arg-366, dl, Lg-Georgian	VY/VY	0.28	0.16	0.3	64	2	0.022(2),0.022(3)
MGW-M-12-00009-00001	7138-arg-Cl-arg-7138, tdl	VY/VY	0.22	0.22	0.36	74	3	0.027(2),0.027(5)
MGW-M-12-00010-00001	7138-kry-Cl-kry-7138, tdl	VY/VY	0.18	0.22	0.36	77	3	0.027(2),0.027(5)
MGW-M-12-00011-00001	366-arg-Cl-arg-366, tdl	VY/VY	0.22	0.16	0.3	74	3	0.022(2),0.022(5)
MGW-M-12-00012-00001	366-kry-Cl-kry-366, tdl	VY/VY	0.18	0.16	0.3	77	3	0.022(2),0.022(5)
MGW-M-12-00014-00001	7138-arg-Cl, fdl, Foam	VY/VY	0.26	0.26	0.46	63	2	0.027(2)
MGW-M-12-00014-00002	7138-arg-Cl, fdl, Foam, Rectangular	VY/VY	0.26	0.23	0.41	63	2	0.027(2)
MGW-M-12-00014-00003	7138-arg-Cl, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.23	0.41	63	2	0.027(2)
MGW-M-12-00014-00004	7138-arg-Cl, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.23	0.41	63	2	0.027(2)
MGW-M-12-00015-00001	7138-arg-7138, fdl, Foam	VY/VY	0.26	0.24	0.4	63	2	0.027(2),0.027(3)
MGW-M-12-00015-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/VY	0.26	0.22	0.36	63	2	0.027(2),0.027(3)
MGW-M-12-00015-00003	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.22	0.36	63	2	0.027(2),0.027(3)
MGW-M-12-00015-00004	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.22	0.36	63	2	0.027(2),0.027(3)
MGW-M-12-00016-00001	366-arg-Cl, fdl, Foam	VY/VY	0.26	0.18	0.42	63	2	0.022(2)
MGW-M-12-00016-00002	366-arg-Cl, fdl, Foam, Rectangular	VY/VY	0.26	0.17	0.38	63	2	0.022(2)
MGW-M-12-00016-00003	366-arg-Cl, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.17	0.38	63	2	0.022(2)
MGW-M-12-00016-00004	366-arg-Cl, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.17	0.38	63	2	0.022(2)
MGW-M-12-00017-00001	366-arg-366, fdl, Foam	VY/VY	0.26	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-12-00017-00002	366-arg-366, fdl, Foam, Rectangular	VY/VY	0.26	0.16	0.3	63	2	0.022(2),0.022(3)
MGW-M-12-00017-00003	366-arg-366, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.16	0.3	63	2	0.022(2),0.022(3)
MGW-M-12-00017-00004	366-arg-366, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.16	0.3	63	2	0.022(2),0.022(3)

MGW-M-12-00019-00001	7138-arg-CI-arg-7138, ftdl, Foam	VY/VY	0.2	0.22	0.36	73	3	0.027(2),0.027(5)
MGW-M-12-00020-00001	7138-kry-CI-kry-7138, ftdl, Foam	VY/VY	0.17	0.22	0.36	77	3	0.027(2),0.027(5)
MGW-M-12-00021-00001	366-arg-CI-arg-366, ftdl, Foam	VY/VY	0.2	0.16	0.3	74	3	0.022(2),0.022(5)
MGW-M-12-00022-00001	366-kry-CI-kry-366, ftdl, Foam	VY/VY	0.17	0.16	0.3	77	3	0.022(2),0.022(5)
MGW-M-12-00025-00001	6331-arg-CI, dl	VY/VY	0.28	0.21	0.41	63	2	0.026(2)
MGW-M-12-00025-00002	6331-arg-CI, dl, Rectangular	VY/VY	0.28	0.19	0.37	63	2	0.026(2)
MGW-M-12-00025-00003	6331-arg-CI, dl, Sm-Georgian	VY/VY	0.28	0.19	0.37	63	2	0.026(2)
MGW-M-12-00025-00004	6331-arg-CI, dl, Lg-Georgian	VY/VY	0.28	0.19	0.37	63	2	0.026(2)

**SERIES 430F PICTURE /
FIXED (O, OO, OOO)**

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-26-00001-00001	7138-arg-CI, dl	VY/VY	0.27	0.30	0.54	61	2	0.027(2)
MGW-M-26-00001-00002	7138-arg-CI, dl, Rectangular	VY/VY	0.27	0.27	0.49	61	2	0.027(2)
MGW-M-26-00001-00003	7138-arg-CI, dl, Sm-Georgian	VY/VY	0.27	0.27	0.49	61	2	0.027(2)
MGW-M-26-00001-00004	7138-arg-CI, dl, Lg-Georgian	VY/VY	0.27	0.27	0.49	61	2	0.027(2)
MGW-M-26-00002-00001	7138-arg-7138, dl	VY/VY	0.27	0.28	0.47	62	2	0.027(2),0.027(3)
MGW-M-26-00002-00002	7138-arg-7138, dl, Rectangular	VY/VY	0.27	0.26	0.42	62	2	0.027(2),0.027(3)
MGW-M-26-00002-00003	7138-arg-7138, dl, Sm-Georgian	VY/VY	0.27	0.26	0.42	62	2	0.027(2),0.027(3)
MGW-M-26-00002-00004	7138-arg-7138, dl, Lg-Georgian	VY/VY	0.27	0.26	0.42	62	2	0.027(2),0.027(3)
MGW-M-26-00003-00001	366-arg-CI, dl	VY/VY	0.27	0.21	0.49	61	2	0.022(2)
MGW-M-26-00003-00002	366-arg-CI, dl, Rectangular	VY/VY	0.27	0.19	0.44	61	2	0.022(2)
MGW-M-26-00003-00003	366-arg-CI, dl, Sm-Georgian	VY/VY	0.27	0.19	0.44	61	2	0.022(2)
MGW-M-26-00003-00004	366-arg-CI, dl, Lg-Georgian	VY/VY	0.27	0.19	0.44	61	2	0.022(2)
MGW-M-26-00004-00001	366-arg-366, dl	VY/VY	0.27	0.2	0.39	62	2	0.022(2),0.022(3)
MGW-M-26-00004-00002	366-arg-366, dl, Rectangular	VY/VY	0.27	0.18	0.35	62	2	0.022(2),0.022(3)
MGW-M-26-00004-00003	366-arg-366, dl, Sm-Georgian	VY/VY	0.27	0.18	0.35	62	2	0.022(2),0.022(3)
MGW-M-26-00004-00004	366-arg-366, dl, Lg-Georgian	VY/VY	0.27	0.18	0.35	62	2	0.022(2),0.022(3)
MGW-M-26-00005-00001	7138-arg-CI-arg-7138, tdl	VY/VY	0.2	0.26	0.43	74	3	0.027(2),0.027(5)
MGW-M-26-00006-00001	7138-kry-CI-kry-7138, tdl	VY/VY	0.16	0.26	0.43	78	3	0.027(2),0.027(5)
MGW-M-26-00007-00001	366-arg-CI-arg-366, tdl	VY/VY	0.2	0.19	0.36	74	3	0.022(2),0.022(5)
MGW-M-26-00008-00001	366-kry-CI-kry-366, tdl	VY/VY	0.16	0.18	0.36	78	3	0.022(2),0.022(5)
MGW-M-26-00010-00001	7138-arg-CI, fdl, Foam	VY/VY	0.26	0.30	0.54	61	2	0.027(2)
MGW-M-26-00010-00002	7138-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.27	0.49	61	2	0.027(2)
MGW-M-26-00010-00003	7138-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.27	0.49	61	2	0.027(2)
MGW-M-26-00010-00004	7138-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.27	0.49	61	2	0.027(2)
MGW-M-26-00011-00001	7138-arg-7138, fdl, Foam	VY/VY	0.26	0.28	0.47	62	2	0.027(2),0.027(3)
MGW-M-26-00011-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/VY	0.26	0.26	0.42	62	2	0.027(2),0.027(3)
MGW-M-26-00011-00003	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.26	0.42	62	2	0.027(2),0.027(3)
MGW-M-26-00011-00004	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.26	0.42	62	2	0.027(2),0.027(3)
MGW-M-26-00012-00001	366-arg-CI, fdl, Foam	VY/VY	0.26	0.21	0.49	61	2	0.022(2)
MGW-M-26-00012-00002	366-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.19	0.44	61	2	0.022(2)
MGW-M-26-00012-00003	366-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.19	0.44	61	2	0.022(2)
MGW-M-26-00012-00004	366-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.19	0.44	61	2	0.022(2)
MGW-M-26-00013-00001	366-arg-366, fdl, Foam	VY/VY	0.26	0.2	0.39	62	2	0.022(2),0.022(3)
MGW-M-26-00013-00002	366-arg-366, fdl, Foam, Rectangular	VY/VY	0.26	0.18	0.35	62	2	0.022(2),0.022(3)
MGW-M-26-00013-00003	366-arg-366, fdl, Foam, Sm-Georgian	VY/VY	0.26	0.18	0.35	62	2	0.022(2),0.022(3)
MGW-M-26-00013-00004	366-arg-366, fdl, Foam, Lg-Georgian	VY/VY	0.26	0.18	0.35	62	2	0.022(2),0.022(3)
MGW-M-26-00016-00001	7138-arg-CI-arg-7138, ftdl, Foam	VY/VY	0.19	0.26	0.43	74	3	0.027(2),0.027(5)
MGW-M-26-00017-00001	7138-kry-CI-kry-7138, ftdl, Foam	VY/VY	0.15	0.26	0.43	77	3	0.027(2),0.027(5)
MGW-M-26-00018-00001	366-arg-CI-arg-366, ftdl, Foam	VY/VY	0.19	0.19	0.36	74	3	0.022(2),0.022(5)
MGW-M-26-00019-00001	366-kry-CI-kry-366, ftdl, Foam	VY/VY	0.15	0.18	0.36	77	3	0.022(2),0.022(5)

SERIES 530A AWNING

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-19-00001-00002	7138-arg-CI-arg-7138, tdl, Rectangular	VY/VY	0.19	0.19	0.3	77	3	0.027(2),0.027(5)
MGW-M-19-00002-00001	7138-arg-CI-arg-7138, tdl, Lg-Georgian	VY/VY	0.19	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00003-00001	7138-arg-CI-arg-7138, tdl, Sm-Georgian	VY/VY	0.19	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00004-00002	7138-kry-CI-kry-7138, tdl, Rectangular	VY/VY	0.18	0.19	0.30	77	3	0.027(2),0.027(5)

MGW-M-19-00005-00001	7138-kry-CI-kry-7138, tdl, Lg-Georgian	VY/VY	0.18	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00006-00001	7138-kry-CI-kry-7138, tdl, Sm-Georgian	VY/VY	0.18	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00007-00001	366-arg-CI-arg-366, tdl	VY/VY	0.19	0.15	0.28	77	3	0.022(2),0.022(5)
MGW-M-19-00007-00002	366-arg-CI-arg-366, tdl, Rectangular	VY/VY	0.19	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00008-00001	366-arg-CI-arg-366, tdl, Lg-Georgian	VY/VY	0.19	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00009-00001	366-arg-CI-arg-366, tdl, Sm-Georgian	VY/VY	0.19	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00010-00001	366-kry-CI-kry-366, tdl	VY/VY	0.18	0.15	0.28	77	3	0.022(2),0.022(5)
MGW-M-19-00010-00002	366-kry-CI-kry-366, tdl, Rectangular	VY/VY	0.18	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00011-00001	366-kry-CI-kry-366, tdl, Lg-Georgian	VY/VY	0.18	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00012-00001	366-kry-CI-kry-366, tdl, Sm-Georgian	VY/VY	0.18	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00016-00002	7138-arg-CI-arg-7138, ftdl, Foam, Rectangular	VY/VY	0.17	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00017-00001	7138-arg-CI-arg-7138, ftdl, Foam, Lg-Georgian	VY/VY	0.18	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00018-00001	7138-arg-CI-arg-7138, ftdl, Foam, Sm-Georgian	VY/VY	0.18	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00019-00002	7138-kry-CI-kry-7138, ftdl, Foam, Rectangular	VY/VY	0.17	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00020-00001	7138-kry-CI-kry-7138, ftdl, Foam, Lg-Georgian	VY/VY	0.17	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00021-00001	7138-kry-CI-kry-7138, ftdl, Foam, Sm-Georgian	VY/VY	0.17	0.19	0.30	77	3	0.027(2),0.027(5)
MGW-M-19-00022-00001	366-arg-CI-arg-366, ftdl, Foam	VY/VY	0.17	0.15	0.28	77	3	0.022(2),0.022(5)
MGW-M-19-00022-00002	366-arg-CI-arg-366, ftdl, Foam, Rectangular	VY/VY	0.17	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00023-00001	366-arg-CI-arg-366, ftdl, Foam, Lg-Georgian	VY/VY	0.18	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00024-00001	366-arg-CI-arg-366, ftdl, Foam, Sm-Georgian	VY/VY	0.18	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00025-00001	366-kry-CI-kry-366, ftdl, Foam	VY/VY	0.17	0.15	0.28	77	3	0.022(2),0.022(5)
MGW-M-19-00025-00002	366-kry-CI-kry-366, ftdl, Foam, Rectangular	VY/VY	0.17	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00026-00001	366-kry-CI-kry-366, ftdl, Foam, Lg-Georgian	VY/VY	0.17	0.14	0.25	77	3	0.022(2),0.022(5)
MGW-M-19-00027-00001	366-kry-CI-kry-366, ftdl, Foam, Sm-Georgian	VY/VY	0.17	0.14	0.25	77	3	0.022(2),0.022(5)

**SERIES 530C CASEMENT
(X, XX)**

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-18-00001-00001	7138-arg-CI-arg-7138, tdl	VY/VY	0.19	0.21	0.34	76	3	0.027(2),0.027(5)
MGW-M-18-00001-00002	7138-arg-CI-arg-7138, tdl, Rectangular	VY/VY	0.19	0.19	0.3	76	3	0.027(2),0.027(5)
MGW-M-18-00002-00001	7138-arg-CI-arg-7138, tdl, Lg-Georgian	VY/VY	0.20	0.19	0.3	76	3	0.027(2),0.027(5)
MGW-M-18-00003-00001	7138-arg-CI-arg-7138, tdl, Sm-Georgian	VY/VY	0.20	0.19	0.3	76	3	0.027(2),0.027(5)
MGW-M-18-00004-00001	7138-kry-CI-kry-7138, tdl	VY/VY	0.19	0.21	0.34	76	3	0.027(2),0.027(5)
MGW-M-18-00004-00002	7138-kry-CI-kry-7138, tdl, Rectangular	VY/VY	0.19	0.19	0.3	76	3	0.027(2),0.027(5)
MGW-M-18-00005-00001	7138-kry-CI-kry-7138, tdl, Lg-Georgian	VY/VY	0.19	0.19	0.3	76	3	0.027(2),0.027(5)
MGW-M-18-00006-00001	7138-kry-CI-kry-7138, tdl, Sm-Georgian	VY/VY	0.19	0.19	0.3	76	3	0.027(2),0.027(5)
MGW-M-18-00007-00001	366-arg-CI-arg-366, tdl	VY/VY	0.19	0.15	0.28	76	3	0.022(2),0.022(5)
MGW-M-18-00007-00002	366-arg-CI-arg-366, tdl, Rectangular	VY/VY	0.19	0.14	0.25	76	3	0.022(2),0.022(5)
MGW-M-18-00008-00001	366-arg-CI-arg-366, tdl, Lg-Georgian	VY/VY	0.20	0.14	0.25	76	3	0.022(2),0.022(5)
MGW-M-18-00009-00001	366-arg-CI-arg-366, tdl, Sm-Georgian	VY/VY	0.19	0.14	0.25	76	3	0.022(2),0.022(5)
MGW-M-18-00010-00001	366-kry-CI-kry-366, tdl	VY/VY	0.19	0.15	0.28	76	3	0.022(2),0.022(5)
MGW-M-18-00010-00002	366-kry-CI-kry-366, tdl, Rectangular	VY/VY	0.19	0.14	0.25	76	3	0.022(2),0.022(5)
MGW-M-18-00011-00001	366-kry-CI-kry-366, tdl, Lg-Georgian	VY/VY	0.19	0.14	0.25	76	3	0.022(2),0.022(5)
MGW-M-18-00012-00001	366-kry-CI-kry-366, tdl, Sm-Georgian	VY/VY	0.19	0.14	0.25	76	3	0.022(2),0.022(5)
MGW-M-18-00016-00001	7138-arg-CI-arg-7138, ftdl, Foam	VY/VY	0.18	0.21	0.34	75	3	0.027(2),0.027(5)
MGW-M-18-00016-00002	7138-arg-CI-arg-7138, ftdl, Foam, Rectangular	VY/VY	0.18	0.19	0.3	75	3	0.027(2),0.027(5)
MGW-M-18-00017-00001	7138-arg-CI-arg-7138, ftdl, Foam, Lg-Georgian	VY/VY	0.18	0.19	0.3	75	3	0.027(2),0.027(5)
MGW-M-18-00018-00001	7138-arg-CI-arg-7138, ftdl, Foam, Sm-Georgian	VY/VY	0.18	0.19	0.3	75	3	0.027(2),0.027(5)
MGW-M-18-00019-00001	7138-kry-CI-kry-7138, ftdl, Foam	VY/VY	0.17	0.21	0.34	75	3	0.027(2),0.027(5)
MGW-M-18-00019-00002	7138-kry-CI-kry-7138, ftdl, Foam,	VY/VY	0.17	0.19	0.3	75	3	0.027(2),0.027(5)

	Rectangular							
MGW-M-18-00020-00001	7138-kry-CI-kry-7138, ftdl, Foam, Lg-Georgian	VY/VY	0.17	0.19	0.3	75	3	0.027(2),0.027(5)
MGW-M-18-00021-00001	7138-kry-CI-kry-7138, ftdl, Foam, Sm-Georgian	VY/VY	0.17	0.19	0.3	75	3	0.027(2),0.027(5)
MGW-M-18-00022-00001	366-arg-CI-arg-366, ftdl, Foam	VY/VY	0.18	0.15	0.28	75	3	0.022(2),0.022(5)
MGW-M-18-00022-00002	366-arg-CI-arg-366, ftdl, Foam, Rectangular	VY/VY	0.18	0.14	0.25	75	3	0.022(2),0.022(5)
MGW-M-18-00023-00001	366-arg-CI-arg-366, ftdl, Foam, Lg-Georgian	VY/VY	0.18	0.14	0.25	75	3	0.022(2),0.022(5)
MGW-M-18-00024-00001	366-arg-CI-arg-366, ftdl, Foam, Sm-Georgian	VY/VY	0.18	0.14	0.25	75	3	0.022(2),0.022(5)
MGW-M-18-00025-00001	366-kry-CI-kry-366, ftdl, Foam	VY/VY	0.17	0.15	0.28	75	3	0.022(2),0.022(5)
MGW-M-18-00025-00002	366-kry-CI-kry-366, ftdl, Foam, Rectangular	VY/VY	0.17	0.14	0.25	75	3	0.022(2),0.022(5)
MGW-M-18-00026-00001	366-kry-CI-kry-366, ftdl, Foam, Lg-Georgian	VY/VY	0.17	0.14	0.25	75	3	0.022(2),0.022(5)
MGW-M-18-00027-00001	366-kry-CI-kry-366, ftdl, Foam, Sm-Georgian	VY/VY	0.17	0.14	0.25	75	3	0.022(2),0.022(5)

SERIES 1000 PICTURE / FIXED

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-16-00001-00002	7138-arg-CI, dl, Rectangular	VY/NA	0.27	0.29	0.51	63	2	0.027(2)
MGW-M-16-00002-00001	7138-arg-CI, dl, Lg-Georgian	VY/NA	0.29	0.29	0.51	63	2	0.027(2)
MGW-M-16-00003-00001	7138-arg-CI, dl, Sm-Georgian	VY/NA	0.29	0.29	0.51	63	2	0.027(2)
MGW-M-16-00004-00001	7138-arg-7138, dl	VY/NA	0.27	0.3	0.5	63	2	0.027(2),0.027(3)
MGW-M-16-00004-00002	7138-arg-7138, dl, Rectangular	VY/NA	0.27	0.27	0.44	63	2	0.027(2),0.027(3)
MGW-M-16-00005-00001	7138-arg-7138, dl, Lg-Georgian	VY/NA	0.29	0.27	0.44	63	2	0.027(2),0.027(3)
MGW-M-16-00006-00001	7138-arg-7138, dl, Sm-Georgian	VY/NA	0.28	0.27	0.44	63	2	0.027(2),0.027(3)
MGW-M-16-00007-00001	366-arg-CI, dl	VY/NA	0.27	0.23	0.52	63	2	0.022(2)
MGW-M-16-00007-00002	366-arg-CI, dl, Rectangular	VY/NA	0.27	0.2	0.47	63	2	0.022(2)
MGW-M-16-00008-00001	366-arg-CI, dl, Lg-Georgian	VY/NA	0.29	0.2	0.47	63	2	0.022(2)
MGW-M-16-00009-00001	366-arg-CI, dl, Sm-Georgian	VY/NA	0.29	0.2	0.47	63	2	0.022(2)
MGW-M-16-00010-00001	366-arg-366, dl	VY/NA	0.27	0.21	0.41	64	2	0.022(2),0.022(3)
MGW-M-16-00010-00002	366-arg-366, dl, Rectangular	VY/NA	0.27	0.19	0.37	64	2	0.022(2),0.022(3)
MGW-M-16-00011-00001	366-arg-366, dl, Lg-Georgian	VY/NA	0.28	0.19	0.37	64	2	0.022(2),0.022(3)
MGW-M-16-00012-00001	366-arg-366, dl, Sm-Georgian	VY/NA	0.28	0.19	0.37	64	2	0.022(2),0.022(3)
MGW-M-16-00019-00002	SB70-arg-CI, dl, Rectangular	VY/NA	0.28	0.29	0.52	62	2	0.035(2)
MGW-M-16-00020-00001	SB70-arg-CI, dl, Lg-Georgian	VY/NA	0.29	0.29	0.52	62	2	0.035(2)
MGW-M-16-00021-00001	SB70-arg-CI, dl, Sm-Georgian	VY/NA	0.29	0.29	0.52	62	2	0.035(2)
MGW-M-16-00022-00002	7138-arg-CI, fdl, Foam, Rectangular	VY/NA	0.26	0.29	0.51	63	2	0.027(2)
MGW-M-16-00023-00001	7138-arg-CI, fdl, Foam, Lg-Georgian	VY/NA	0.28	0.29	0.51	63	2	0.027(2)
MGW-M-16-00024-00001	7138-arg-CI, fdl, Foam, Sm-Georgian	VY/NA	0.27	0.29	0.51	63	2	0.027(2)
MGW-M-16-00025-00001	7138-arg-7138, fdl, Foam	VY/NA	0.25	0.3	0.5	64	2	0.027(2),0.027(3)
MGW-M-16-00025-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/NA	0.25	0.27	0.44	64	2	0.027(2),0.027(3)
MGW-M-16-00026-00001	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/NA	0.27	0.27	0.44	64	2	0.027(2),0.027(3)
MGW-M-16-00027-00001	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/NA	0.27	0.27	0.44	64	2	0.027(2),0.027(3)
MGW-M-16-00028-00001	366-arg-CI, fdl, Foam	VY/NA	0.26	0.23	0.52	63	2	0.022(2)
MGW-M-16-00028-00002	366-arg-CI, fdl, Foam, Rectangular	VY/NA	0.26	0.2	0.47	63	2	0.022(2)
MGW-M-16-00029-00001	366-arg-CI, fdl, Foam, Lg-Georgian	VY/NA	0.27	0.2	0.47	63	2	0.022(2)
MGW-M-16-00030-00001	366-arg-CI, fdl, Foam, Sm-Georgian	VY/NA	0.27	0.2	0.47	63	2	0.022(2)
MGW-M-16-00031-00001	366-arg-366, fdl, Foam	VY/NA	0.25	0.21	0.41	64	2	0.022(2),0.022(3)
MGW-M-16-00031-00002	366-arg-366, fdl, Foam, Rectangular	VY/NA	0.25	0.19	0.37	64	2	0.022(2),0.022(3)
MGW-M-16-00032-00001	366-arg-366, fdl, Foam, Lg-Georgian	VY/NA	0.26	0.19	0.37	64	2	0.022(2),0.022(3)
MGW-M-16-00033-00001	366-arg-366, fdl, Foam, Sm-Georgian	VY/NA	0.26	0.19	0.37	64	2	0.022(2),0.022(3)
MGW-M-16-00040-00002	SB70-arg-CI, fdl, Foam, Rectangular	VY/NA	0.26	0.29	0.52	63	2	0.035(2)
MGW-M-16-00041-00001	SB70-arg-CI, fdl, Foam, Lg-Georgian	VY/NA	0.28	0.29	0.52	63	2	0.035(2)
MGW-M-16-00042-00001	SB70-arg-CI, fdl, Foam, Sm-Georgian	VY/NA	0.27	0.29	0.52	63	2	0.035(2)
MGW-M-16-00043-00001	6331-arg-CI, dl	VY/NA	0.28	0.26	0.52	62	2	0.026(2)
MGW-M-16-00043-00002	6331-arg-CI, dl, Rectangular	VY/NA	0.28	0.24	0.46	62	2	0.026(2)
MGW-M-16-00044-00001	6331-arg-CI, dl, Lg-Georgian	VY/NA	0.3	0.24	0.46	62	2	0.026(2)
MGW-M-16-00045-00001	6331-arg-CI, dl, Sm-Georgian	VY/NA	0.29	0.24	0.46	62	2	0.026(2)

SERIES 1001 HUNG

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-14-00005-00002	7138-arg-CI, dl, Rectangular	VY/VY	0.28	0.28	0.49	62	2	0.027(2)
MGW-M-14-00006-00001	7138-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.28	0.49	62	2	0.027(2)
MGW-M-14-00007-00001	7138-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.28	0.49	62	2	0.027(2)
MGW-M-14-00008-00001	7138-arg-7138, dl	VY/VY	0.27	0.29	0.48	63	2	0.027(2),0.027(3)
MGW-M-14-00008-00002	7138-arg-7138, dl, Rectangular	VY/VY	0.27	0.26	0.42	63	2	0.027(2),0.027(3)
MGW-M-14-00009-00001	7138-arg-7138, dl, Lg-Georgian	VY/VY	0.29	0.26	0.42	63	2	0.027(2),0.027(3)
MGW-M-14-00010-00001	7138-arg-7138, dl, Sm-Georgian	VY/VY	0.28	0.26	0.42	63	2	0.027(2),0.027(3)
MGW-M-14-00011-00001	366-arg-CI, dl	VY/VY	0.27	0.22	0.5	62	2	0.022(2)
MGW-M-14-00011-00002	366-arg-CI, dl, Rectangular	VY/VY	0.27	0.2	0.45	62	2	0.022(2)
MGW-M-14-00012-00001	366-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.2	0.45	62	2	0.022(2)
MGW-M-14-00013-00001	366-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.2	0.45	62	2	0.022(2)
MGW-M-14-00014-00001	366-arg-366, dl	VY/VY	0.27	0.2	0.4	63	2	0.022(2),0.022(3)
MGW-M-14-00014-00002	366-arg-366, dl, Rectangular	VY/VY	0.27	0.19	0.35	63	2	0.022(2),0.022(3)
MGW-M-14-00015-00001	366-arg-366, dl, Lg-Georgian	VY/VY	0.28	0.19	0.35	63	2	0.022(2),0.022(3)
MGW-M-14-00016-00001	366-arg-366, dl, Sm-Georgian	VY/VY	0.28	0.19	0.35	63	2	0.022(2),0.022(3)
MGW-M-14-00023-00001	5527-arg-CI, dl	VY/VY	0.27	0.22	0.42	62	2	0.024(2)
MGW-M-14-00023-00002	5527-arg-CI, dl, Rectangular	VY/VY	0.27	0.2	0.38	62	2	0.024(2)
MGW-M-14-00024-00001	5527-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.2	0.38	62	2	0.024(2)
MGW-M-14-00025-00001	5527-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.2	0.38	62	2	0.024(2)
MGW-M-14-00026-00002	7138-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.28	0.49	62	2	0.027(2)
MGW-M-14-00027-00001	7138-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.28	0.49	62	2	0.027(2)
MGW-M-14-00028-00001	7138-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.28	0.49	62	2	0.027(2)
MGW-M-14-00029-00001	7138-arg-7138, fdl, Foam	VY/VY	0.26	0.29	0.48	63	2	0.027(2),0.027(3)
MGW-M-14-00029-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/VY	0.26	0.26	0.42	63	2	0.027(2),0.027(3)
MGW-M-14-00030-00001	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.26	0.42	63	2	0.027(2),0.027(3)
MGW-M-14-00031-00001	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.26	0.42	63	2	0.027(2),0.027(3)
MGW-M-14-00032-00001	366-arg-CI, fdl, Foam	VY/VY	0.26	0.22	0.5	62	2	0.022(2)
MGW-M-14-00032-00002	366-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.2	0.45	62	2	0.022(2)
MGW-M-14-00033-00001	366-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.2	0.45	62	2	0.022(2)
MGW-M-14-00034-00001	366-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.2	0.45	62	2	0.022(2)
MGW-M-14-00035-00001	366-arg-366, fdl, Foam	VY/VY	0.26	0.2	0.4	63	2	0.022(2),0.022(3)
MGW-M-14-00035-00002	366-arg-366, fdl, Foam, Rectangular	VY/VY	0.26	0.19	0.35	63	2	0.022(2),0.022(3)
MGW-M-14-00036-00001	366-arg-366, fdl, Foam, Lg-Georgian	VY/VY	0.27	0.19	0.35	63	2	0.022(2),0.022(3)
MGW-M-14-00037-00001	366-arg-366, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.19	0.35	63	2	0.022(2),0.022(3)
MGW-M-14-00044-00001	5527-arg-CI, fdl, Foam	VY/VY	0.26	0.22	0.42	62	2	0.024(2)
MGW-M-14-00044-00002	5527-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.2	0.38	62	2	0.024(2)
MGW-M-14-00045-00001	5527-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.2	0.38	62	2	0.024(2)
MGW-M-14-00046-00001	5527-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.2	0.38	62	2	0.024(2)
MGW-M-14-00047-00001	6331-arg-CI, dl	VY/VY	0.27	0.25	0.49	62	2	0.026(2)
MGW-M-14-00047-00002	6331-arg-CI, dl, Rectangular	VY/VY	0.27	0.22	0.44	62	2	0.026(2)
MGW-M-14-00048-00001	6331-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.22	0.44	62	2	0.026(2)
MGW-M-14-00049-00001	6331-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.22	0.44	62	2	0.026(2)

**SERIES 1002 SLIDER
(OX, XOX)**

CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-13-00005-00002	7138-arg-CI, dl, Rectangular	VY/VY	0.28	0.28	0.5	62	2	0.027(2)
MGW-M-13-00006-00001	7138-arg-CI, dl, Lg-Georgian	VY/VY	0.3	0.28	0.5	62	2	0.027(2)
MGW-M-13-00007-00001	7138-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.28	0.5	62	2	0.027(2)
MGW-M-13-00008-00001	7138-arg-7138, dl	VY/VY	0.28	0.29	0.48	62	2	0.027(2),0.027(3)
MGW-M-13-00008-00002	7138-arg-7138, dl, Rectangular	VY/VY	0.28	0.26	0.43	62	2	0.027(2),0.027(3)
MGW-M-13-00009-00001	7138-arg-7138, dl, Lg-Georgian	VY/VY	0.29	0.26	0.43	62	2	0.027(2),0.027(3)
MGW-M-13-00010-00001	7138-arg-7138, dl, Sm-Georgian	VY/VY	0.29	0.26	0.43	62	2	0.027(2),0.027(3)
MGW-M-13-00011-00001	366-arg-CI, dl	VY/VY	0.28	0.22	0.5	62	2	0.022(2)
MGW-M-13-00011-00002	366-arg-CI, dl, Rectangular	VY/VY	0.28	0.2	0.45	62	2	0.022(2)
MGW-M-13-00012-00001	366-arg-CI, dl, Lg-Georgian	VY/VY	0.29	0.2	0.45	62	2	0.022(2)
MGW-M-13-00013-00001	366-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.2	0.45	62	2	0.022(2)

MGW-M-13-00014-00001	366-arg-366, dl	VY/VY	0.27	0.21	0.4	63	2	0.022(2),0.022(3)
MGW-M-13-00014-00002	366-arg-366, dl, Rectangular	VY/VY	0.27	0.19	0.36	63	2	0.022(2),0.022(3)
MGW-M-13-00015-00001	366-arg-366, dl, Lg-Georgian	VY/VY	0.29	0.19	0.36	62	2	0.022(2),0.022(3)
MGW-M-13-00016-00001	366-arg-366, dl, Sm-Georgian	VY/VY	0.28	0.19	0.36	62	2	0.022(2),0.022(3)
MGW-M-13-00023-00001	5527-arg-CI, dl	VY/VY	0.28	0.22	0.43	62	2	0.024(2)
MGW-M-13-00023-00002	5527-arg-CI, dl, Rectangular	VY/VY	0.28	0.2	0.38	62	2	0.024(2)
MGW-M-13-00024-00001	5527-arg-CI, dl, Lg-Georgian	VY/VY	0.3	0.2	0.38	62	2	0.024(2)
MGW-M-13-00025-00001	5527-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.2	0.38	62	2	0.024(2)
MGW-M-13-00026-00002	7138-arg-CI, fdl, Foam, Rectangular	VY/VY	0.27	0.28	0.5	62	2	0.027(2)
MGW-M-13-00027-00001	7138-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.28	0.5	62	2	0.027(2)
MGW-M-13-00028-00001	7138-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.28	0.5	62	2	0.027(2)
MGW-M-13-00029-00001	7138-arg-7138, fdl, Foam	VY/VY	0.26	0.29	0.48	63	2	0.027(2),0.027(3)
MGW-M-13-00029-00002	7138-arg-7138, fdl, Foam, Rectangular	VY/VY	0.26	0.26	0.43	63	2	0.027(2),0.027(3)
MGW-M-13-00030-00001	7138-arg-7138, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.26	0.43	63	2	0.027(2),0.027(3)
MGW-M-13-00031-00001	7138-arg-7138, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.26	0.43	63	2	0.027(2),0.027(3)
MGW-M-13-00032-00001	366-arg-CI, fdl, Foam	VY/VY	0.26	0.22	0.5	62	2	0.022(2)
MGW-M-13-00032-00002	366-arg-CI, fdl, Foam, Rectangular	VY/VY	0.26	0.2	0.45	62	2	0.022(2)
MGW-M-13-00033-00001	366-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.2	0.45	62	2	0.022(2)
MGW-M-13-00034-00001	366-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.2	0.45	62	2	0.022(2)
MGW-M-13-00035-00001	366-arg-366, fdl, Foam	VY/VY	0.26	0.21	0.4	63	2	0.022(2),0.022(3)
MGW-M-13-00035-00002	366-arg-366, fdl, Foam, Rectangular	VY/VY	0.26	0.19	0.36	63	2	0.022(2),0.022(3)
MGW-M-13-00036-00001	366-arg-366, fdl, Foam, Lg-Georgian	VY/VY	0.27	0.19	0.36	63	2	0.022(2),0.022(3)
MGW-M-13-00037-00001	366-arg-366, fdl, Foam, Sm-Georgian	VY/VY	0.27	0.19	0.36	63	2	0.022(2),0.022(3)
MGW-M-13-00044-00001	5527-arg-CI, fdl, Foam	VY/VY	0.27	0.22	0.43	62	2	0.024(2)
MGW-M-13-00044-00002	5527-arg-CI, fdl, Foam, Rectangular	VY/VY	0.27	0.2	0.38	62	2	0.024(2)
MGW-M-13-00045-00001	5527-arg-CI, fdl, Foam, Lg-Georgian	VY/VY	0.28	0.2	0.38	62	2	0.024(2)
MGW-M-13-00046-00001	5527-arg-CI, fdl, Foam, Sm-Georgian	VY/VY	0.28	0.2	0.38	62	2	0.024(2)
MGW-M-13-00047-00001	6331-arg-CI, dl	VY/VY	0.28	0.25	0.5	62	2	0.026(2)
MGW-M-13-00047-00002	6331-arg-CI, dl, Rectangular	VY/VY	0.28	0.23	0.44	62	2	0.026(2)
MGW-M-13-00048-00001	6331-arg-CI, dl, Lg-Georgian	VY/VY	0.3	0.23	0.44	62	2	0.026(2)
MGW-M-13-00049-00001	6331-arg-CI, dl, Sm-Georgian	VY/VY	0.29	0.23	0.44	62	2	0.026(2)

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CPD #	Manufacturer Product Code	Frame / Sash Type	U-factor	SHGC	VT	Condensation Resistance	Glazing Layers	Low-E
MGW-M-15-00001-00001	7138-arg-CI, dl	VP/VA	0.29	0.29	0.52	63	2	0.027(2)
MGW-M-15-00001-00002	7138-arg-CI, dl, Rectangular	VP/VA	0.29	0.25	0.46	63	2	0.027(2)
MGW-M-15-00001-00003	7138-arg-CI, dl, Sm-Georgian	VP/VA	0.29	0.25	0.46	63	2	0.027(2)
MGW-M-15-00001-00004	7138-arg-CI, dl, Lg-Georgian	VP/VA	0.29	0.25	0.46	63	2	0.027(2)
MGW-M-15-00002-00001	7138-arg-7138, dl	VP/VA	0.29	0.27	0.45	63	2	0.027(2),0.027(3)
MGW-M-15-00002-00002	7138-arg-7138, dl, Rectangular	VP/VA	0.29	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-15-00002-00003	7138-arg-7138, dl, Sm-Georgian	VP/VA	0.29	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-15-00002-00004	7138-arg-7138, dl, Lg-Georgian	VP/VA	0.29	0.24	0.39	63	2	0.027(2),0.027(3)
MGW-M-15-00003-00001	366-arg-CI, dl	VP/VA	0.29	0.2	0.47	63	2	0.022(2)
MGW-M-15-00003-00002	366-arg-CI, dl, Rectangular	VP/VA	0.29	0.18	0.41	63	2	0.022(2)
MGW-M-15-00003-00003	366-arg-CI, dl, Sm-Georgian	VP/VA	0.29	0.18	0.41	63	2	0.022(2)
MGW-M-15-00003-00004	366-arg-CI, dl, Lg-Georgian	VP/VA	0.29	0.18	0.41	63	2	0.022(2)
MGW-M-15-00004-00001	366-arg-366, dl	VP/VA	0.29	0.19	0.38	63	2	0.022(2),0.022(3)
MGW-M-15-00004-00002	366-arg-366, dl, Rectangular	VP/VA	0.29	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-15-00004-00003	366-arg-366, dl, Sm-Georgian	VP/VA	0.29	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-15-00004-00004	366-arg-366, dl, Lg-Georgian	VP/VA	0.29	0.17	0.33	63	2	0.022(2),0.022(3)
MGW-M-15-00007-00001	7138-arg-CI-arg-7138, tdl	VP/VA	0.22	0.25	0.41	64	3	0.027(2),0.027(5)
MGW-M-15-00008-00001	7138-kry-CI-kry-7138, tdl	VP/VA	0.18	0.25	0.41	64	3	0.027(2),0.027(5)
MGW-M-15-00009-00001	366-arg-CI-arg-366, tdl	VP/VA	0.22	0.18	0.34	64	3	0.022(2),0.022(5)
MGW-M-15-00010-00001	366-kry-CI-kry-366, tdl	VP/VA	0.18	0.18	0.34	64	3	0.022(2),0.022(5)