Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Casement - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.16	0.25	N NC SC S	X
Clad Ultimate Casement - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.16	0.24	N NC SC S	X
Clad Ultimate Casement - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.21	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.24	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.22	0.17	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.35	N NC SC S	X
Clad Ultimate Casement - Tri-Pane - 1" IG - 3.9 mm glass and 7.0mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.22	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.25	0.18	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.23	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.35	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Casement - Tri-Pane - 1 1/2" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.20	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.21	0.17	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.16	0.35	N NC SC S	X
Clad Ultimate Casement Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.20	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.18	0.28	N NC SC S	X
Clad Ultimate Casement Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.18	0.27	N NC SC S	X
Clad Ultimate Casement Picture - 1" IG - 4.7 mm glass and 16.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.18	0.27	N NC SC S	X
Clad Ultimate Casement Picture - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.17	0.26	N NC SC S	X
Clad Ultimate Casement Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.25	0.41	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.18	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.25	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.21	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.18	0.40	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Casement Picture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.25	0.40	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.25	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.18	0.40	N NC SC S	X

Clad Ultimate Casement Picture- Tri-Pane - 1 1/2" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.17	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.25	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.18	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.18	0.40	N NC SC S	X

Clad Ultimate Casement Venting Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.20	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.18	0.28	N NC SC S	X

Clad Ultimate Casement Venting Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.18	0.27	N NC SC S	X

Clad Ultimate Casement Venting Picture - 1" IG - 4.7 mm glass and 16.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.18	0.27	N NC SC S	X
Clad Ultimate Casement Venting Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.20	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.25	0.41	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.18	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.25	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.21	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.18	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.18	0.40	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Casement VentingPicture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.25	0.40	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.25	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.18	0.40	N NC SC S	X

Clad Ultimate Casement Venting Picture- Tri-Pane - 1 1/2" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.17	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.25	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.18	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.18	0.40	N NC SC S	X

Clad Ultimate Replacement Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.20	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.19	0.28	N NC SC S	X

Clad Ultimate Replacement Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.18	0.27	N NC SC S	X

Clad Ultimate Awning - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.16	0.25	N NC SC S	X

Clad Ultimate Awning - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.16	0.24	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Awning - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.21	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.24	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.22	0.17	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.35	N NC SC S	X

Clad Ultimate Awning - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.22	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.25	0.18	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.22	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.35	N NC SC S	X

Clad Ultimate Awning - Tri-Pane - 1 1/2" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.20	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.20	0.17	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.16	0.35	N NC SC S	X

Clad Ultimate Casement Round Top Operator - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.16	0.25	N NC SC S	X

Clad Ultimate Casement Round Top Operator - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.25	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.23	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.26	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.24	0.17	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.35	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Casement Round Top Operator - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.26	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.24	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.27	0.18	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.27	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.24	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.35	N NC SC S	X

Clad Ultimate Casement Round Top Operator - Tri-Pane - 1 1/2" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.21	0.17	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.16	0.35	N NC SC S	X

Clad Ultimate Pushout Casement - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.22	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.25	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.23	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.35	N NC SC S	X

Clad Ultimate Pushout Casement - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.26	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.23	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.26	0.18	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.24	0.18	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.35	N NC SC S	X

Clad Ultimate Pushout Casement - 1 1/2" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.17	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.35	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Pushout Casement Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.20	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.18	0.28	N NC SC S	X
Clad Ultimate Pushout Casement Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.18	0.27	N NC SC S	X
Clad Ultimate Pushout Casement Picture - 1" IG - 4.7 mm glass and 16.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.18	0.27	N NC SC S	X
Clad Ultimate Pushout Casement Picture - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.18	0.26	N NC SC S	X
Clad Ultimate Pushout Casement Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.28	0.45	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.25	0.41	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.25	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.18	0.40	N NC SC S	X
Clad Ultimate Pushout Casement Picture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.28	0.45	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.25	0.40	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.25	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.23	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.18	0.40	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Pushout Casement Picture - 1 1/2" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.18	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.25	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.18	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.18	0.40	N NC SC S	X
Clad Ultimate Pushout Replacement Casement Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.20	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.19	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.19	0.28	N NC SC S	X
Clad Ultimate Pushout Replacement Casement Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.18	0.27	N NC SC S	X
Clad Ultimate Pushout Awning - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.22	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.25	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.23	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.35	N NC SC S	X
Clad Ultimate Pushout Awning - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.26	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.23	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.24	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.26	0.18	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.24	0.18	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.35	N NC SC S	X
Clad Ultimate Pushout Awning - 1 1/2" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.17	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.35	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Casemaster Casement Operator/Stationary - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.25	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.23	0.36	N NC SC S	X
Clad Casemaster Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.28	0.45	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.25	0.40	N NC SC S	X
Clad Casemaster Picture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.28	0.45	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.25	0.40	N NC SC S	X
Clad Casemaster Awning Operator/Stationary - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.25	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.22	0.34	N NC SC S	X
Clad Ultimate Double Hung / Single Hung with Combination - .700" IG - 3.1 mm glass and 11.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Combination	0.24	0.29	0.47	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.24	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.24	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, GBG, Combination	0.24	0.26	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, Combination	0.23	0.21	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.24	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.23	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, GBG, Combination	0.23	0.19	0.37	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.24	0.21	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.25	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.24	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG, Combination	0.24	0.19	0.23	N NC SC S	X
Clad Ultimate Double Hung / Single Hung - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.25	0.25	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.23	0.36	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.23	0.25	0.41	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.23	0.36	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.26	0.18	0.40	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.17	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.23	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.36	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Double Hung / Single Hung with combination - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Tripane, Combination	0.21	0.26	0.37	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1", Tripane, Combination	0.21	0.23	0.33	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane, Combination	0.19	0.25	0.37	N NC SC S	X
Insulating Low E 272 Glass - Argon, GBG, Tripane, Combination	0.19	0.23	0.33	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane, Combination	0.22	0.20	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1", Tripane, Combination	0.22	0.18	0.33	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane, Combination	0.20	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, GBG, Tripane, Combination	0.20	0.17	0.33	N NC SC S	X

Clad Ultimate Double Hung Picture - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.25	N NC SC S	X

Clad Ultimate Double Hung Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.27	0.43	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.26	0.43	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.24	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.18	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.19	0.42	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.16	0.38	N NC SC S	X

Clad Ultimate Double Hung Picture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.24	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.23	0.19	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.17	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.19	0.42	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.17	0.37	N NC SC S	X

Clad Ultimate Double Hung Transom - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.18	0.27	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Insert Double Hung / Single Hung - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.26	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.23	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.23	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.26	0.19	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.17	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.24	0.18	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.17	0.36	N NC SC S	X

Clad Ultimate Insert Double Hung Picture - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.17	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.17	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.25	N NC SC S	X

Clad Ultimate Insert Double Hung Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.27	0.43	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.27	0.43	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.24	0.39	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.19	0.43	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.19	0.43	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.17	0.38	N NC SC S	X

Clad Ultimate Insert Double Hung Picture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.27	0.43	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.26	0.43	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.24	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.23	0.19	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.19	0.42	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.17	0.38	N NC SC S	X

Clad Ultimate Insert Double Hung Transom - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.18	0.28	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Double Hung Magnum/ SH Magnum with Combination - .700" IG - 3.1 mm glass and 11.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Combination	0.24	0.29	0.47	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.24	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.24	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, GBG, Combination	0.24	0.26	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, Combination	0.23	0.21	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.24	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.23	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, GBG, Combination	0.23	0.19	0.37	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.24	0.21	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.24	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.24	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG, Combination	0.24	0.19	0.25	N NC SC S	X

Clad Ultimate Double Hung Magnum/ SH Magnum - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.26	0.25	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.23	0.36	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.23	0.25	0.41	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.23	0.36	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.26	0.18	0.40	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.17	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.23	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.36	N NC SC S	X

Clad Ultimate Double Hung Magnum/ SH Magnum with combination - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Tripane, Combination	0.21	0.26	0.37	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1", Tripane, Combination	0.21	0.23	0.33	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane, Combination	0.19	0.25	0.37	N NC SC S	X
Insulating Low E 272 Glass - Argon, GBG, Tripane, Combination	0.19	0.23	0.33	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane, Combination	0.21	0.20	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1", Tripane, Combination	0.21	0.17	0.33	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane, Combination	0.20	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, GBG, Tripane, Combination	0.20	0.17	0.33	N NC SC S	X

Clad Ultimate Double Hung Magnum Picture - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.25	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Ultimate Double Hung Magnum Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.26	0.43	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.26	0.43	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.24	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.19	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.19	0.42	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.17	0.38	N NC SC S	X

Clad Ultimate Double Hung Magnum Picture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.24	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.23	0.19	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.17	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.19	0.42	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.17	0.37	N NC SC S	X

Clad Glider with Combination - 9/16" IG - 3.1 mm glass and 8.0 mm spacer with 3.1 mm Combination					
Insulating Low E 366 Glass - Argon, Combination	0.27	0.22	0.44	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.27	0.22	0.27	N NC SC S	X

Clad Magnum Tilt Turn - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.26	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.24	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.35	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.27	0.18	0.39	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.27	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.24	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.34	N NC SC S	X

Clad Magnum Tilt Turn - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.22	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.35	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.25	0.18	0.39	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.23	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.34	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Magnum Tilt Turn - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.26	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.26	0.22	0.34	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.23	0.24	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.22	0.34	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.27	0.18	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.27	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.24	0.18	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.34	N NC SC S	X

Clad Direct Glaze Polygon - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.22	0.34	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.20	0.31	N NC SC S	X

Clad Direct Glaze Polygon - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.21	0.33	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.19	0.30	N NC SC S	X

Clad Direct Glaze Polygon - 3/4" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.21	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.19	0.29	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Direct Glaze Polygon - Tri-Pane - 1 1/8" IG - 3.9 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.30	0.49	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.27	0.44	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.18	0.30	0.49	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.27	0.44	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.21	0.22	0.48	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.20	0.43	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.18	0.21	0.48	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.19	0.43	N NC SC S	X
Clad Direct Glaze Polygon - Tri-Pane - 1 1/8" IG - 4.7 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.20	0.30	0.48	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.27	0.43	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.18	0.30	0.48	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.27	0.43	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.21	0.21	0.47	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.20	0.42	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.18	0.21	0.47	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.19	0.42	N NC SC S	X
Clad Direct Glaze Round Top - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.22	0.35	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.20	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.20	0.32	N NC SC S	X
Clad Direct Glaze Round Top - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.22	0.34	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.20	0.31	N NC SC S	X
Clad Direct Glaze Round Top - 1" IG - 4.7 mm glass and 16.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.22	0.34	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.20	0.31	N NC SC S	X
Clad Direct Glaze Round Top - 3/4" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.21	0.33	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.19	0.30	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad Direct Glaze Round Top - Tri-Pane - 1 1/8" IG - 3.9 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.28	0.45	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.22	0.50	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.20	0.45	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.22	0.50	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.20	0.45	N NC SC S	X

Clad Direct Glaze Round Top - Tri-Pane - 1 1/8" IG - 4.7 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.28	0.44	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.28	0.44	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.22	0.49	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.22	0.49	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.20	0.44	N NC SC S	X

Wood Ultimate Casement - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.16	0.24	N NC SC S	X

Wood Ultimate Casement - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.15	0.23	N NC SC S	X

Wood Ultimate Casement - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.16	0.34	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Casement - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.21	0.34	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.23	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.21	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.23	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.21	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.16	0.34	N NC SC S	X

Wood Ultimate Casement Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.18	0.28	N NC SC S	X

Wood Ultimate Casement Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.18	0.27	N NC SC S	X

Wood Ultimate Casement Picture - 1" IG - 4.7 mm glass and 16.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.17	0.27	N NC SC S	X
Wood Ultimate Casement Picture - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.17	0.26	N NC SC S	X

Wood Ultimate Casement Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.20	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.25	0.40	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.17	0.27	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.25	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.20	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.18	0.19	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.18	0.39	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Casement Picture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.27	0.44	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.18	0.27	0.44	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.24	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.21	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.19	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.18	0.39	N NC SC S	X

Wood Ultimate Replacement Casement - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.24	N NC SC S	X

Wood Ultimate Replacement Casement - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.16	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.16	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.16	0.23	N NC SC S	X

Wood Ultimate Replacement Casement Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.18	0.28	N NC SC S	X
Wood Ultimate Replacement Casement Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.20	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.18	0.27	N NC SC S	X

Wood Ultimate Awning - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.16	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.15	0.23	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Awning - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.15	0.23	N NC SC S	X
Wood Ultimate Awning - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.21	0.33	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.21	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.16	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.15	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.16	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.15	0.33	N NC SC S	X
Wood Ultimate Awning - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.21	0.33	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.21	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.23	0.17	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.15	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.21	0.16	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.15	0.33	N NC SC S	X
Wood Ultimate Replacement Awning - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.15	0.23	N NC SC S	X
Wood Ultimate Replacement Awning - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.15	0.23	N NC SC S	X
Wood Ultimate Casement Round Top Operator - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.24	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Casement Round Top Operator - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.15	0.23	N NC SC S	X
Wood Ultimate Casement Round Top Operator - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.21	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.23	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.21	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.16	0.34	N NC SC S	X
Wood Ultimate Casement Round Top Operator - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.34	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.22	0.23	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.21	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.24	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.22	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.34	N NC SC S	X
Wood Ultimate Pushout Casement - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.24	N NC SC S	X
Wood Ultimate Pushout Casement - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.15	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.15	0.24	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Pushout Casement - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.35	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.22	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.23	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.16	0.34	N NC SC S	X

Wood Ultimate Pushout Casement - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.22	0.34	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.21	0.23	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.21	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.24	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.16	0.34	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.21	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.16	0.34	N NC SC S	X

Wood Ultimate Pushout Casement Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.18	0.28	N NC SC S	X

Wood Ultimate Pushout Casement Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.18	0.27	N NC SC S	X

Wood Ultimate Pushout Casement Picture - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.17	0.26	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Pushout Casement Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.20	0.28	0.45	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.25	0.40	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.17	0.27	0.45	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.25	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.20	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.18	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.18	0.39	N NC SC S	X

Wood Ultimate Pushout Casement Picture - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.27	0.44	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.25	0.39	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.27	0.44	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.24	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.18	0.39	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.20	0.44	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.18	0.39	N NC SC S	X

Wood Ultimate Pushout Replacement Casement - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.16	0.24	N NC SC S	X

Wood Ultimate Pushout Replacement Casement - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.16	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.23	N NC SC S	X

Wood Ultimate Pushout Replacement Casement Picture - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.18	0.28	N NC SC S	X

Wood Ultimate Pushout Replacement Casement Picture - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.20	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.18	0.27	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Pushout Awning - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.15	0.23	N NC SC S	X
Wood Ultimate Pushout Awning - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.15	0.23	N NC SC S	X
Wood Ultimate Pushout Awning - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.21	0.33	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.21	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.22	0.17	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.15	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.16	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.15	0.33	N NC SC S	X
Wood Ultimate Pushout Awning - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.21	0.33	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.21	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.21	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.24	0.17	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.15	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.21	0.16	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.15	0.33	N NC SC S	X
Wood Ultimate Pushout Replacement Awning - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.15	0.23	N NC SC S	X
Wood Ultimate Pushout Replacement Awning - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29.17	0.16	0.25	N NC SC S	
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.15	0.23	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Casemaster Casement Operator/Stationary - Tri-Pane - 7/8" IG - 3.1 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.24	0.39	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.24	0.16	0.31	N NC SC S	X
Wood Casemaster Picture - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.27	0.45	N NC SC	X
Insulating Low E 366 Glass - Argon, Tripane	0.20	0.19	0.36	N NC SC S	X
Wood Casemaster Picture - Tri-Pane - 7/8" IG - 3.1 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.27	0.45	N NC SC	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.19	0.36	N NC SC S	X
Wood Casemaster Awning Operator/Stationary - Tri-Pane - 7/8" IG - 3.1 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.25	0.23	0.36	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.24	0.15	0.29	N NC SC S	X
Wood Ultimate Double Hung / Single Hung - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.25	N NC SC S	X
Wood Ultimate Double Hung / Single Hung with Combination - .700" IG - 3.1 mm glass and 11.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Combination	0.21	0.29	0.46	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.21	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, GBG, Combination	0.21	0.26	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, Combination	0.20	0.21	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.21	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.20	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, GBG, Combination	0.20	0.19	0.37	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.21	0.21	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.22	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG, Combination	0.21	0.19	0.23	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Double Hung / Single Hung - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.25	0.40	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.23	0.36	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.22	0.25	0.40	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.25	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.22	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.35	N NC SC S	X

Wood Ultimate Double Hung / Single Hung with combination - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Tripane	0.19	0.25	0.37	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.23	0.33	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.17	0.25	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.22	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.19	0.19	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.18	0.32	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.17	0.19	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.17	0.32	N NC SC S	X

Wood Ultimate Double Hung Picture 1 5/8" sash - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.19	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.26	N NC SC S	X

Wood Ultimate Double Hung Picture 2" sash - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.16	0.24	N NC SC S	X

Wood Ultimate Double Hung Picture 2" sash - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.20	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.23	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.18	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.23	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.21	0.19	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.17	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.18	0.18	0.42	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.17	0.37	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Double Hung Picture 2" sash - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.23	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.19	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.17	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.18	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.17	0.37	N NC SC S	X
Wood Ultimate Double Hung Transom - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.17	0.27	N NC SC S	X
Wood Ultimate Double Hung / Single Hung Round Top - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.16	0.25	N NC SC S	X
Wood Ultimate Double Hung / Single Hung Round Top with Combination - .700" IG - 3.1 mm glass and 11.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Combination	0.21	0.29	0.46	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.21	0.26	0.40	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.26	0.40	N NC SC S	X
Insulating Low E 272 Glass - Argon, GBG, Combination	0.21	0.26	0.40	N NC SC S	X
Insulating Low E 366 Glass - Argon, Combination	0.21	0.21	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.21	0.19	0.36	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.19	0.36	N NC SC S	X
Insulating Low E 366 Glass - Argon, GBG, Combination	0.21	0.19	0.36	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.21	0.21	0.26	N NC SC	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.22	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG, Combination	0.21	0.19	0.23	N NC SC S	X
Wood Ultimate Double Hung Picture Round Top 1 5/8" sash - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.17	0.26	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Double Hung Picture Round Top 2" sash - 1" IG - 4.7 mm glass and 16.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.16	0.25	N NC SC S	X
Wood Ultimate Double Hung Picture Round Top 2" sash - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.18	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.16	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.16	0.24	N NC SC S	X
Wood Ultimate Double Hung Picture Round Top 2" sash - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.26	0.42	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.23	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.19	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.17	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.19	0.18	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.17	0.37	N NC SC S	X
Wood Ultimate Double Hung Picture 2" sash - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.23	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.23	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.23	0.19	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.17	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.18	0.41	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.17	0.36	N NC SC S	X
Wood Ultimate Double Hung Transom Round Top 1 5/8" sash - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.17	0.27	N NC SC S	X
Wood Ultimate Insert Double Hung / Single Hung - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.17	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.17	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.25	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Insert Double Hung / Single Hung with Combination - .700" IG - 3.1 mm glass and 11.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Combination	0.21	0.30	0.47	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.22	0.27	0.42	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.27	0.42	N NC SC S	X
Insulating Low E 272 Glass - Argon, GBG, Combination	0.21	0.27	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, Combination	0.21	0.21	0.42	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.21	0.19	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.19	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, GBG, Combination	0.21	0.19	0.38	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.22	0.22	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.22	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.22	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG, Combination	0.22	0.19	0.23	N NC SC S	X

Wood Ultimate Double Hung Magnum / SH Magnum - .700" IG - 3.1 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.18	0.28	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.16	0.25	N NC SC S	X

Wood Ultimate Double Hung Magnum / SH Magnum with Combination - .700" IG - 3.1 mm glass and 11.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Combination	0.21	0.29	0.46	N NC SC	X
Insulating Low E 272 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.21	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.26	0.41	N NC SC S	X
Insulating Low E 272 Glass - Argon, GBG, Combination	0.21	0.26	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, Combination	0.21	0.21	0.41	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.21	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.19	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, GBG, Combination	0.21	0.19	0.37	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.21	0.21	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1", Combination	0.22	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1", Combination	0.21	0.19	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG, Combination	0.21	0.19	0.23	N NC SC S	X

Wood Ultimate Double Hung Magnum/ SH Magnum - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.24	0.25	0.40	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.24	0.22	0.36	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.22	0.22	0.40	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.22	0.36	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.25	0.18	0.40	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.25	0.16	0.35	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.22	0.18	0.40	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.16	0.35	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Double Hung Magnum / SH Magnum with combination - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Tripane	0.19	0.25	0.37	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.23	0.33	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.17	0.25	0.37	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.22	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, Tripane	0.19	0.19	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.17	0.32	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.17	0.19	0.36	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.17	0.32	N NC SC S	X
Wood Double Hung Tilt Pac with Combination - 9/16" IG - 3.1 mm glass and 8.0 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Combination	0.25	0.30	0.47	N NC SC	X
Insulating Low E 366 Glass - Argon, Combination	0.24	0.22	0.42	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.25	0.23	0.26	N NC SC S	X
Wood Single Hung Tilt Pac with Combination - 9/16" IG - 3.1 mm glass and 8.0 mm spacer with 3.1 mm Combination					
Insulating Low E 272 Glass - Argon, Combination	0.25	0.30	0.46	N NC SC	X
Insulating Low E 366 Glass - Argon, Combination	0.24	0.22	0.42	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.25	0.23	0.26	N NC SC S	X
Wood Glider with Combination - 9/16" IG - 3.1 mm glass and 8.0 mm spacer with 3.1 mm Combination					
Insulating Low E 366 Glass - Argon, Combination	0.24	0.23	0.43	N NC SC S	X
Insulating Low E 240 Glass - Argon, Combination	0.25	0.24	0.27	N NC SC S	X
Wood Magnum Tilt Turn - 7/8" IG - 3.1 mm glass and 16.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.17	0.27	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.15	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.15	0.24	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.15	0.24	N NC SC S	X
Wood Magnum Tilt Turn - 7/8" IG - 3.9 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.15	0.23	N NC SC S	X
Wood Magnum Tilt Turn - 7/8" IG - 4.7 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.15	0.23	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.15	0.23	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Magnum Tilt Turn - 7/8" IG - 5.7 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.15	0.22	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.15	0.22	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.15	0.22	N NC SC S	X
Wood Magnum Tilt Turn - Tri-Pane - 7/8" IG - 3.1 mm glass and 6.5 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.23	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.21	0.34	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.21	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.21	0.34	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.23	0.17	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.15	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.21	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.15	0.33	N NC SC S	X
Wood Magnum Tilt Turn - Tri-Pane - 1" IG - 3.1 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.21	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.21	0.21	0.34	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.19	0.24	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.21	0.34	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.22	0.17	0.38	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.15	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.17	0.38	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.15	0.33	N NC SC S	X
Wood Magnum Tilt Turn - Tri-Pane - 1" IG - 3.9 mm glass and 7.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.22	0.23	0.38	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.22	0.21	0.33	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.20	0.23	0.38	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.21	0.33	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.23	0.17	0.37	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.23	0.15	0.33	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.20	0.17	0.37	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.15	0.33	N NC SC S	X
Wood Direct Glaze Polygon - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.22	0.34	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.20	0.31	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Direct Glaze Polygon - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.26	0.21	0.33	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.27	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.26	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.19	0.30	N NC SC S	X
Wood Direct Glaze Polygon - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.21	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.19	0.29	N NC SC S	X
Wood Direct Glaze Polygon - Tri-Pane - 1 1/8" IG - 3.9 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.18	0.30	0.49	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.27	0.44	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.16	0.30	0.49	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.16	0.27	0.44	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.19	0.22	0.48	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.20	0.43	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.16	0.21	0.48	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.16	0.19	0.43	N NC SC S	X
Wood Direct Glaze Polygon - Tri-Pane - 1 1/8" IG - 4.7 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.18	0.30	0.48	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.18	0.27	0.43	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.16	0.30	0.48	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.16	0.27	0.43	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.19	0.21	0.48	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.20	0.43	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.16	0.21	0.48	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.16	0.19	0.43	N NC SC S	X
Wood Direct Glaze Round Top - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.22	0.34	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.20	0.31	N NC SC S	X
Wood Direct Glaze Round Top - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.21	0.33	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.19	0.30	N NC SC S	X

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	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Direct Glaze Round Top - 1" IG - 5.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.21	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.19	0.29	N NC SC S	X
Wood Direct Glaze Round Top - Tri-Pane - 1 1/8" IG - 3.9 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.19	0.30	0.49	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.27	0.44	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.17	0.30	0.49	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.27	0.44	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.20	0.22	0.48	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.20	0.43	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.17	0.21	0.48	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.19	0.43	N NC SC S	X
Wood Direct Glaze Round Top - Tri-Pane - 1 1/8" IG - 4.7 mm glass and 8.0 mm spacer					
Insulating Low E 272 Glass - Argon, Tripane	0.19	0.30	0.48	N NC SC S	X
Insulating Low E 272 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.19	0.27	0.43	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, Tripane	0.17	0.30	0.48	N NC SC S	X
Insulating Low E 272 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.27	0.43	N NC SC S	X
Insulating Low E 366 Glass - Argon, Tripane	0.20	0.21	0.48	N NC SC S	X
Insulating Low E 366 Glass - Argon, SDL w/o Spacer Bar < 1", Tripane	0.20	0.20	0.43	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, Tripane	0.17	0.21	0.48	N NC SC S	X
Insulating Low E 366/179 Glass - Krypton-Argon, SDL w/o Spacer Bar < 1", Tripane	0.17	0.19	0.43	N NC SC S	X
Clad 2 1/4" Inswing French Door - 1" IG - 4.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.12	0.19	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.11	0.17	N NC SC S	X
Clad 2 1/4" Inswing French Door - 1" IG - 5.7 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.12	0.18	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.11	0.16	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.11	0.16	N NC SC S	X
Clad 2 1/4" Inswing French Door with Panels & 1" IG - 4.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.07	0.10	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.06	0.08	N NC SC S	X
Clad 2 1/4" Inswing French Door with Panels & 1" IG - 5.7 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.07	0.09	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.06	0.08	N NC SC S	X

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	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Clad 2 1/4" Outswing French Door - 1" IG - 4.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.12	0.19	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.11	0.17	N NC SC S	X
Clad 2 1/4" Outswing French Door - 1" IG - 5.7 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.12	0.18	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.11	0.16	N NC SC S	X
Wood 2 1/4" Inswing French Door - 1" IG - 4.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.13	0.19	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.11	0.16	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.11	0.16	N NC SC S	X
Wood 2 1/4" Inswing French Door - 1" IG - 5.7 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.13	0.19	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.11	0.16	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.11	0.16	N NC SC S	X
Wood 2 1/4" Outswing French Door - 1" IG - 4.7 mm glass and 14.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.13	0.19	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.11	0.16	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.11	0.16	N NC SC S	X
Wood 2 1/4" Outswing French Door - 1" IG - 5.7 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.13	0.19	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.11	0.16	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.11	0.16	N NC SC S	X

Marvin Tripanes, Combinations, Specialty Coatings

	U Factor	SHGC	VLT	2010 Energy Star	Qualifies for Tax Credit
Wood Ultimate Sliding French Door - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.30	0.16	0.25	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.30	0.14	0.22	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.14	0.22	N NC SC S	X
Wood Sliding Patio Door - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.19	0.29	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.30	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.30	0.17	0.26	N NC SC S	X
Wood Sliding Patio Door - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.29	0.19	0.30	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.29	0.17	0.26	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.17	0.26	N NC SC S	X
Wood Direct Glaze Door Transom - 3/4" IG - 3.1 mm glass and 13.0 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.22	0.35	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.20	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.20	0.32	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.27	0.20	0.32	N NC SC S	X
Wood Direct Glaze Door Transom - 3/4" IG - 3.9 mm glass and 11.5 mm spacer					
Insulating Low E 240 Glass - Argon	0.27	0.22	0.34	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.28	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.27	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.28	0.20	0.31	N NC SC S	X
Wood Direct Glaze Door Transom - 3/4" IG - 4.7 mm glass and 9.8 mm spacer					
Insulating Low E 240 Glass - Argon	0.28	0.22	0.34	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/ Spacer Bar < 1"	0.29	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, SDL w/o Spacer Bar < 1"	0.28	0.20	0.31	N NC SC S	X
Insulating Low E 240 Glass - Argon, GBG	0.29	0.20	0.31	N NC SC S	X

* This chart provides data for products with Argon-filled glazing unless otherwise noted. Marvin has many more glazing options.

** Some of these products can only be ordered through Marvin Signature Products & Services.

*** Tinted glass is also available. Tints will not affect the product's U-factor, but would reduce its SHGC.