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Uf value table for MASTERLINE 8 HI+ Doors

The tabulated U-values have been calculated according to EN 10077-2:2012.
The Uf-values are valid for unicolor painted profiles.

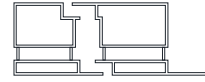
The U-values mentioned are certified by the Belgian Construction
Certification Association (BCCA) with certification number
BPCB - 420 - 72 - 10077/2 REYN - 02 dated 01/06/2006.

Hugo Reis / Joris Brusseleers
12/02/2016



Overview sections MASTERLINE 8 HI+ doors

Flush doors

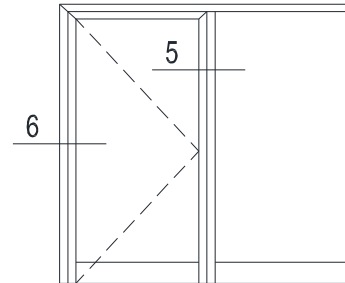
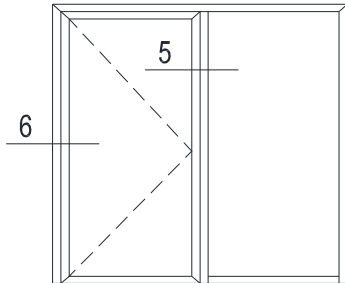


naar binnendraaiend

ouvrant vers l'intérieur

inward opening

nach innen oeffnend

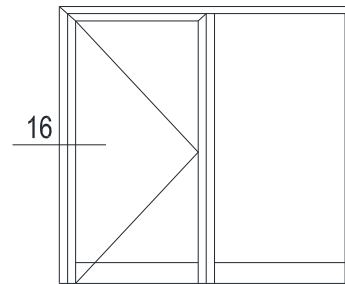
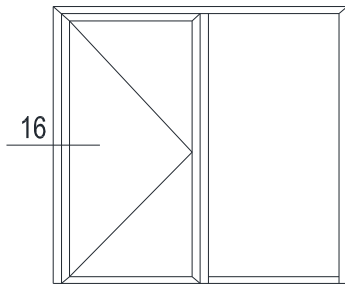


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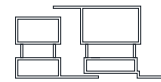
ouvrant vers l'extérieur

outward opening

nach aussen oeffnend



Window Doors

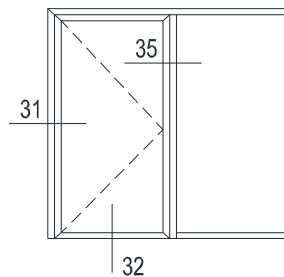
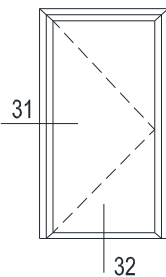


naar binnendraaiend

ouvrant vers l'intérieur

inward opening

nach innen oeffnend

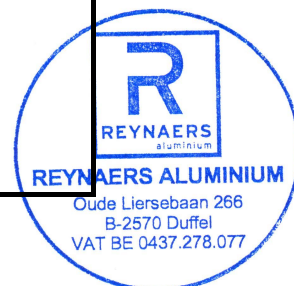
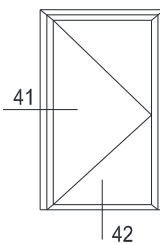


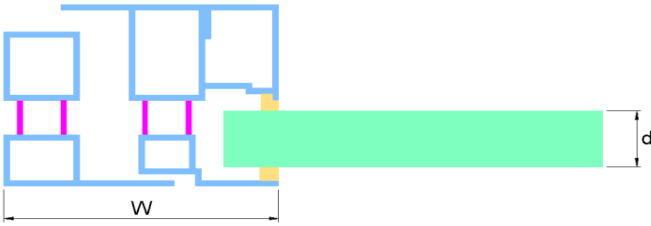
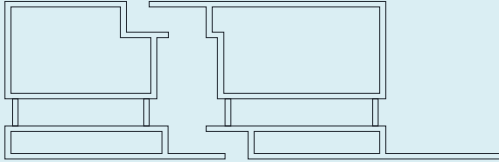
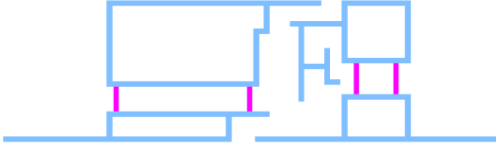
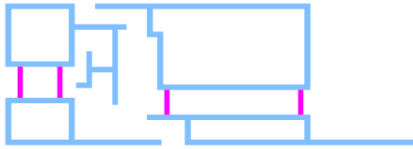
naar buitendraaiend

ouvrant vers l'extérieur

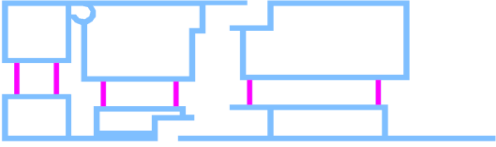
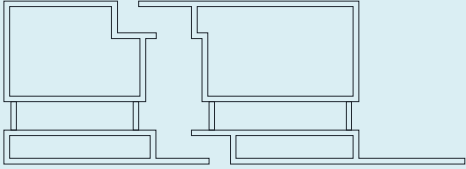
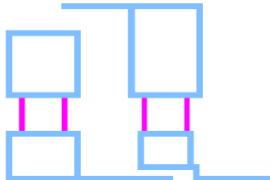
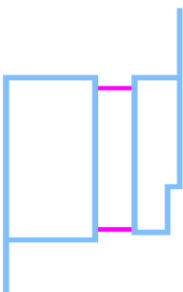
outward opening

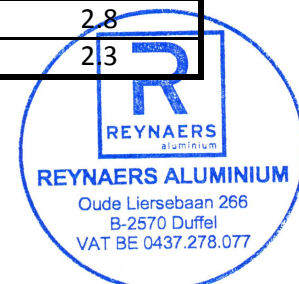
nach aussen oeffnend


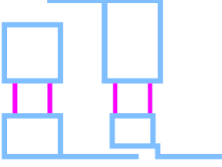
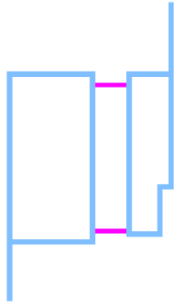


Uf value for door combinations according to EN ISO 10077-2 (2012)		MASTERLINE 8		Version of 12/02/2016
Section	Profiles	d [mm]	W [mm]	Uf [W/m ² K]
				HI+
				
 Flush Doors				
Uf-values for other combinations than the ones indicated can be found in "Uf_tabel_CS 86-HI_doors_150331.pdf"				
<i>Inside opening</i>				
5  Transom + vent				
5	5080120+4080029+1F81026	36	169	1.5
5	5080165+4080029+1F81026	36	179	1.5
5	5080114+4080029+1F81026	36	189	1.5
5	5080123+4080029+1F81026	36	209	1.6
5	5080116+4080029+1F81026	36	229	1.6
5	5080110+4080029+1F81026	36	179	1.5
6  Window frame + vent				
6	5080183+4080029+1F81026	36	142	1.6
6	5080160+4080029+1F81026	36	152	1.6
6	5080125+4080029+1F81026	36	162	1.5
6	5080142+4080029+1F81026	36	195	1.6
6	5080140+4080029+1F81026	36	222	1.6



Uf value for door combinations according to EN ISO 10077-2 (2012)		MASTERLINE 8		Version of 12/02/2016
Section	Profiles	d [mm]	W [mm]	Uf [W/m ² K]
				HI+
<i>Outside opening</i>				
16		Window frame + vent		
16	5080183+4080028+1F81014	36	168	1.6
16	5080160+4080028+1F81014	36	178	1.6
16	5080125+4080028+1F81014	36	188	1.5
16	5080142+4080028+1F81014	36	221	1.6
16	5080140+4080028+1F81014	36	248	1.6
				
Window doors				
<i>Inside opening</i>				
31		Outerframe + Vent		
31	5080136+5080112	36	127	1.2
31	5080183+5080112	36	134	1.1
31	5080160+5080112	36	144	1.1
31	5080125+5080112	36	154	1.1
32		Bottom		
32	5080112+4080049	36	115	2.4
32	5080112+4080049+0080071	36	115	2.8
32	5080112+4080049+0819053	36	115	2.3



Uf value for door combinations according to EN ISO 10077-2 (2012)		MASTERLINE 8		Version of 12/02/2016
Section	Profiles	d [mm]	W [mm]	Uf [W/m ² K]
				HI+
35		Transom + Vent		
35	5080113+5080112	36	154	1.1
35	5080120+5080112	36	161	1.1
35	5080165+5080112	36	171	1.1
35	5080114+5080112	36	181	1.0
35	5080123+5080112	36	201	1.3
35	5080116+5080112	36	221	1.3
<i>Outside opening</i>				
41		Outerframe + Vent		
41	5080136+5080051	36	133	1.6
41	5080183+5080051	36	140	1.5
41	5080160+5080051	36	150	1.5
41	5080125+5080051	36	160	1.4
42		Bottom		
42	5080051+4080049	36	121	2.5



Thermal transmittance for Masterline 8 doors with glazing thickness 36 mm (W/m²K)													
Ud according to EN ISO 10077-1:2006 for dimensions 1230*2180mm as indicated in EN 14351-1													
Inward opening single doors													
Brush solution: outer frame 5080136+5080112 and bottom 5080112+4080049													
		Ug=	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
Standard spacer	ψ=	0.11	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8
Improved spacer	ψ=	0.08	1.0	1.1	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7
Brush solution: outer frame 5080136+5080112 and bottom 5080112+4080049+0080071													
		Ug=	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
Standard spacer	ψ=	0.11	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8
Improved spacer	ψ=	0.08	1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7
Brush solution with automatic door latch: outer frame 5080136+5080112 and bottom 5080112+4080049+0819053													
		Ug=	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
Standard spacer	ψ=	0.11	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7	1.8
Improved spacer	ψ=	0.08	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.6	1.7

Thermal transmittance for Masterline 8 doors with glazing thickness 36 mm (W/m²K)													
Ud according to EN ISO 10077-1:2006 for dimensions 1230*2180mm as indicated in EN 14351-1													
Outward opening single doors													
Brush solution: outer frame 5080136+5080051 and bottom 5080051+4080049													
		Ug=	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
Standard spacer	ψ=	0.11	1.2	1.3	1.3	1.4	1.5	1.5	1.6	1.7	1.7	1.8	1.9
Improved spacer	ψ=	0.08	1.1	1.2	1.3	1.3	1.4	1.5	1.5	1.6	1.7	1.7	1.8
Brush solution: outer frame 5080183+5080051 and bottom 5080051+4080049													
		Ug=	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
Standard spacer	ψ=	0.11	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8	1.8
Improved spacer	ψ=	0.08	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8
Brush solution: outer frame 5080160+5080051 and bottom 5080051+4080049													
		Ug=	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
Standard spacer	ψ=	0.11	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8	1.8
Improved spacer	ψ=	0.08	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.8
Brush solution: outer frame 5080125+5080051 and bottom 5080051+4080049													
		Ug=	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6
Standard spacer	ψ=	0.11	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7	1.8
Improved spacer	ψ=	0.08	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.7	1.7