

Calculation based on ISO 10077-2, EN 673, EN 410

Product name: Tyrol TR6 Fixed		Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	South-facing	North, East, West - facing			Cardinal SolarControl-6 TGT No Grids	
		Whole-window installed U-value			Ucog-Value	
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	BTU/hr.ft2.F	W/m2K
8		0.88	0.15	0.274	0.683	0.120
7		0.86	0.15	0.274	0.666	0.117
6		0.85	0.15	0.274	0.653	0.115
5		0.85	0.15	0.274	0.655	0.115
4	<input checked="" type="checkbox"/>	0.86	0.15	0.274	0.659	0.116
Marine North	<input checked="" type="checkbox"/>	0.86	0.15	0.274	0.662	0.117
Marine South	<input checked="" type="checkbox"/>	0.86	0.15	0.274	0.668	0.118
3	<input checked="" type="checkbox"/>	0.86	0.15	0.274	0.664	0.117
2 West	<input checked="" type="checkbox"/>	0.87	0.15	0.274	0.679	0.120
2 East	<input checked="" type="checkbox"/>	0.87	0.15	0.274	0.679	0.120
Tyrol TR6 Fixed		FRAME			Psi-spacer	Psi-opaque
Super Spacer S2 Premium		Frame height	U-frame		$\Psi$	
		mm	in	W/m2K	BTU/hr.ft.F	W/mK
Head		74	2.91	0.89	0.16	0.028
Sill		74	2.91	0.89	0.16	0.028
left jamb		74	2.91	0.89	0.16	0.028
right jamb		74	2.91	0.89	0.16	0.028
					0.016	0.098
					0.016	BTU/hr.ft.F
					0.016	0.056
					0.016	Grade A

Valid through May 2025



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Product name: Tyrol TR6 Fixed		Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing	Cardinal SolarControl-6 TGT SDL/no Internal grids < 25.4mm				
		Whole-window installed U-value			Ucog-Value	
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	Ucog-Value	
8		0.88	0.15	0.240	0.683	0.120
7		0.86	0.15	0.240	0.666	0.117
6		0.85	0.15	0.240	0.653	0.115
5		0.85	0.15	0.240	0.655	0.115
4	<input checked="" type="checkbox"/>	0.86	0.15	0.240	0.659	0.116
Marine North	<input checked="" type="checkbox"/>	0.86	0.15	0.240	0.662	0.117
Marine South	<input checked="" type="checkbox"/>	0.86	0.15	0.240	0.668	0.118
3	<input checked="" type="checkbox"/>	0.86	0.15	0.240	0.664	0.117
2 West	<input checked="" type="checkbox"/>	0.87	0.15	0.240	0.679	0.120
2 East	<input checked="" type="checkbox"/>	0.87	0.15	0.240	0.679	0.120
Tyrol TR6 Fixed		FRAME			Psi-spacer	Psi-opaque
Super Spacer S2 Premium		Frame height	U-frame		$\Psi$ W/mK	BTU/hr.ft.F W/mK
		mm in	W/m2K	BTU/hr.ft2.F		
Head	74	2.91	0.89	0.16	0.028	0.016
Sill	74	2.91	0.89	0.16	0.028	0.016
left jamb	74	2.91	0.89	0.16	0.028	0.016
right jamb	74	2.91	0.89	0.16	0.028	0.016

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Product name: Tyrol TR6 Fixed		Center-of-glass properties				
ASHRAE/IECC /DOE North American Climate Zone	South-facing	North, East, West - facing			Cardinal SolarControl-6 TGT Internal grids And SDL with Internal grids < 25.4mm maintain 3mm clearance	
		Whole-window installed U-value			Ucog-Value	
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	Ucog-Value	
8		0.88	0.15	0.240	0.683	0.120
7		0.86	0.15	0.240	0.666	0.117
6		0.85	0.15	0.240	0.653	0.115
5		0.85	0.15	0.240	0.655	0.115
4	<input checked="" type="checkbox"/>	0.86	0.15	0.240	0.659	0.116
Marine North	<input checked="" type="checkbox"/>	0.86	0.15	0.240	0.662	0.117
Marine South	<input checked="" type="checkbox"/>	0.86	0.15	0.240	0.668	0.118
3	<input checked="" type="checkbox"/>	0.86	0.15	0.240	0.664	0.117
2 West	<input checked="" type="checkbox"/>	0.87	0.15	0.240	0.679	0.120
2 East	<input checked="" type="checkbox"/>	0.87	0.15	0.240	0.679	0.120
Tyrol TR6 Fixed		FRAME			Psi-spacer	Psi-opaque
Super Spacer S2 Premium		Frame height	U-frame		$\Psi$ W/mK	BTU/hr.ft.F W/mK
		mm in	W/m2K	BTU/hr.ft2.F		
Head	74	2.91	0.89	0.16	0.028	0.016
Sill	74	2.91	0.89	0.16	0.028	0.016
left jamb	74	2.91	0.89	0.16	0.028	0.016
right jamb	74	2.91	0.89	0.16	0.028	0.016

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Product name: <b>Tyrol TR6 Fixed</b>		Center-of-glass properties			
ASHRAE/IECC /DOE North American Climate Zone	North, East, South-facing West - facing	Cardinal SolarControl-6 TGT Internal grids And SDL with Internal grids < 25.4mm			
		Whole-window installed U-value		<u>Ucog-Value</u>	
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K
8		0.93	0.16	0.240	0.683
7		0.92	0.16	0.240	0.666
6		0.91	0.16	0.240	0.653
5		0.91	0.16	0.240	0.655
4		0.91	0.16	0.240	0.659
Marine North		0.92	0.16	0.240	0.662
Marine South	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.92	0.240	0.668
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.92	0.240	0.664
2 West	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.93	0.240	0.679
2 East	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.93	0.240	0.679
Tyrol TR6 Fixed Super Spacer S2 Premium		FRAME		Psi-spacer	
		Frame height		$\Psi$	
		mm	in	W/mK	BTU/hr.ft.F
Head	74	2.91	0.89	0.16	0.028
Sill	74	2.91	0.89	0.16	0.028
left jamb	74	2.91	0.89	0.16	0.028
right jamb	74	2.91	0.89	0.16	0.028
					Grade A

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Calculation based on ISO 10077-2, EN 673, EN 410

Product name: <b>Tyrol TR6 Fixed</b>		Center-of-glass properties			
ASHRAE/IECC /DOE North American Climate Zone	North, East, South-facing West - facing	Cardinal SolarControl-6 TGT SDL/no Internal grids >= 25.4mm			
		Whole-window installed U-value		<u>Ucog-Value</u>	
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K BTU/hr.ft2.F
8		0.88	0.15	0.208	0.683 0.120
7		0.86	0.15	0.208	0.666 0.117
6		0.85	0.15	0.208	0.653 0.115
5		0.85	0.15	0.208	0.655 0.115
4	<input checked="" type="checkbox"/>	0.86	0.15	0.208	0.659 0.116
Marine North	<input checked="" type="checkbox"/>	0.86	0.15	0.208	0.662 0.117
Marine South	<input checked="" type="checkbox"/>	0.86	0.15	0.208	0.668 0.118
3	<input checked="" type="checkbox"/>	0.86	0.15	0.208	0.664 0.117
2 West	<input checked="" type="checkbox"/>	0.87	0.15	0.208	0.679 0.120
2 East	<input checked="" type="checkbox"/>	0.87	0.15	0.208	0.679 0.120
Tyrol TR6 Fixed		FRAME		Psi-spacer	Psi-opaque
Super Spacer S2 Premium		Frame height	U-frame	$\Psi$ W/mK	BTU/hr.ft.F W/mK
		mm	in		
Head	74	2.91	0.89	0.16	0.028 0.016 0.098
Sill	74	2.91	0.89	0.16	0.028 0.016 BTU/hr.ft.F
left jamb	74	2.91	0.89	0.16	0.028 0.016 0.056
right jamb	74	2.91	0.89	0.16	0.028 0.016 Grade A

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Product name: <b>Tyrol TR6 Fixed</b>		Center-of-glass properties			
ASHRAE/IECC /DOE North American Climate Zone	North, East, South-facing West - facing	Cardinal SolarControl-6 TGT Internal grids And SDL/Internal grids >= 25.4mm maintain 3mm clearance			
		Whole-window installed U-value		<u>Ucog-Value</u>	
Climate specific recommendations:		W/m2K	BTU/hr.ft2.F	SHGC	W/m2K BTU/hr.ft2.F
8		0.88	0.15	0.208	0.683 0.120
7		0.86	0.15	0.208	0.666 0.117
6		0.85	0.15	0.208	0.653 0.115
5		0.85	0.15	0.208	0.655 0.115
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Marine North	<input checked="" type="checkbox"/>	0.86	0.15	0.208	0.662 0.117
Marine South	<input checked="" type="checkbox"/>	0.86	0.15	0.208	0.668 0.118
3	<input checked="" type="checkbox"/>	0.86	0.15	0.208	0.664 0.117
2 West	<input checked="" type="checkbox"/>	0.87	0.15	0.208	0.679 0.120
2 East	<input checked="" type="checkbox"/>	0.87	0.15	0.208	0.679 0.120
Tyrol TR6 Fixed Super Spacer S2 Premium		FRAME		Psi-spacer	Psi-opaque
		Frame height	U-frame	$\Psi$ W/mK	BTU/hr.ft.F W/mK
		mm	in		
Head	74	2.91	0.89	0.16	0.028 0.016 0.098
Sill	74	2.91	0.89	0.16	0.028 0.016 BTU/hr.ft.F
left jamb	74	2.91	0.89	0.16	0.028 0.016 0.056
right jamb	74	2.91	0.89	0.16	0.028 0.016 Grade A

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ASHRAE/IECC /DOE North American Climate Zone	North, East, West - facing	South-facing	Cardinal SolarControl-6 TGT Internal grids And SDL/Internal grids >= 25.4mm					
Whole-window installed U-value								
<b>Ucog-Value</b>								
Climate specific recommendations:			SHGC	W/m2K	BTU/hr.ft2.F			
8			0.208	0.683	0.120			
7			0.208	0.666	0.117			
6			0.208	0.653	0.115			
5			0.208	0.655	0.115			
4			0.208	0.659	0.116			
Marine North		<input checked="" type="checkbox"/>	0.208	0.662	0.117			
Marine South	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.208	0.668	0.118			
3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.208	0.664	0.117			
2 West	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.208	0.679	0.120			
2 East	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0.208	0.679	0.120			
Tyrol TR6 Fixed Super Spacer S2 Premium								
FRAME								
Frame height		U-frame		Psi-spacer				
mm	in	W/m2K	BTU/hr.ft2.F	W/mK	BTU/hr.ft.F			
Head	74	2.91	0.89	0.028	0.016			
Sill	74	2.91	0.89	0.028	0.016			
left jamb	74	2.91	0.89	0.028	0.016			
right jamb	74	2.91	0.89	0.028	0.016			
Psi-opaque								
Grade A								

Valid through May 2025

