



ULTRA THERMAL PERFORMANCE WITH A SLIM SIGHTLINE

1620UT/1620UT SSG CURTAIN WALL SYSTEM

Merging a slim, sleek sightline with advanced thermal performance and seismic testing, the 1620UT/1620UT SSG Curtain Wall System touts a powerful combination of features.

Built on the success of the 1600UT Curtain Wall, the 1620UT/1620UT SSG Curtain Wall System delivers versatility and reliability, making it an excellent choice for low- to mid-rise applications in climates where high thermal or seismic performing façades are needed.

This 1620UT/1620UT SSG Curtain Wall System features an engineered polymer thermal separator and accommodates 1/4", 1" and 1 3/4" glazing infills. This curtain wall integrates seamlessly with other high thermal performing windows and doors from Kawneer to create a complete, advanced, thermally efficient solution for commercial buildings.

Tested to US and Canadian standards and featuring a slimmed-down sightline, the 1620UT/1620UT SSG Curtain Wall System allows occupants to see more and stay comfortable all year round, whatever the weather brings.

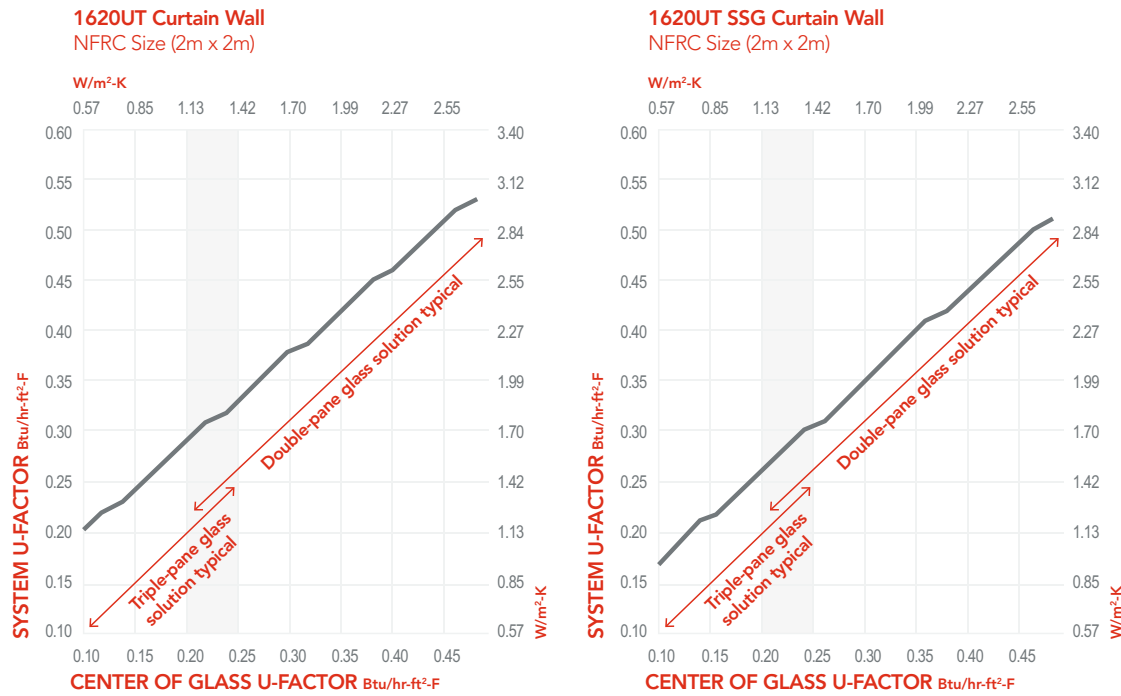
TESTING

The 1620UT/1620UT SSG Curtain Wall System exceeds current building codes for thermal transmittance energy requirements in North America. The U-factors range from 0.30-0.32 when using glazing with a 0.24 CoG value, and U-factor from 0.18-0.22 with 0.12 CoG value. The 1620UT/1620UT SSG has also been independently tested to AAMA 501.4 and 501.6 seismic protocols to meet your building movement code requirements.

The system achieved static and dynamic water infiltration performance of up to 20 psf.

U-FACTOR*

Multiple thermal performance levels can be achieved with different infill types and system selections.



* U-factor values are simulated applying NFRC sizes and procedures using insulating glass units with warm-edge spacers having effective thermal conductivity (K_{eff}) of 0.28 W/m.K (0.16 Btu/hr.ft.F). This chart is for general illustration purposes only. Please refer to thermal charts in the Kawneer architectural detail manual on Kawneer.com for additional information.

CONDENSATION RESISTANCE

1620UT Curtain Wall not only enhances thermal performance, but also provides best-in-class condensation resistance.

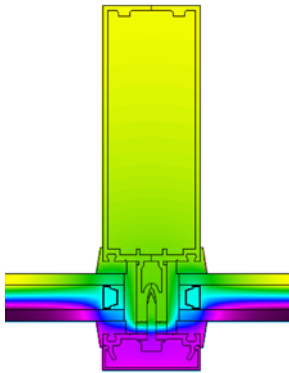
	INSULATING GLASS UNIT	CRF (AAMA 1503)		I – TEMPERATURE INDEX (CSA A440.2)	
		FRAME	GLASS	FRAME	GLASS
1620UT Curtain Wall System (Captured)	1" Double-Pane Glass	77	71	69	65
	1-3/4" Triple-Pane Glass	80	80	72	75
1620UT SSG Curtain Wall System (2-side SSG)	1" Double-Pane Glass	81	73	75	67
	1-3/4" Triple-Pane Glass	82	75	73	67

TEST STANDARDS

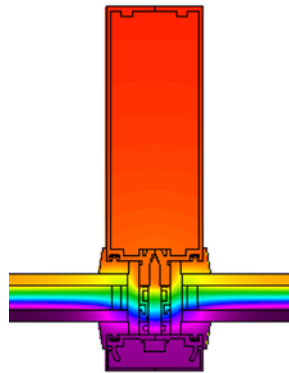
The 1620UT/1620UT SSG Curtain Wall System has been rigorously tested against the following US and Canadian performance standards:

Air Infiltration	ASTM E283; NFRC 400; AAMA 501, TAS 202
Water Infiltration	ASTM E547, E331, AAMA 501, AAMA 501.1
Severe Wind-Driven Rain	AAMA 520
Structural – Uniform Wind Load	ASTM E330, AAMA 501
Thermal Transmittance – U-Factor	AAMA 1503, 507; NFRC 100
Condensation Resistance (CRF, I, CR)	AAMA 1503; CSA A440.2; NFRC 500
Solar Heat Gain (SHGC), Visual Light Transmission (VT)	AAMA 507; NFRC 200
Acoustical (STC & OITC)	ASTM E90, E1425; AAMA 1801
Seismic Performance	AAMA 501.4, AAMA 501.6

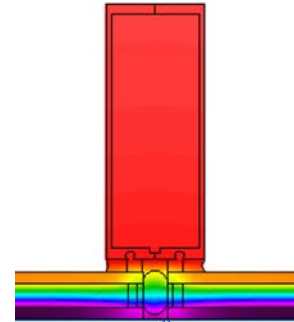
THERMAL SIMULATIONS SHOWING TEMPERATURE VARIATIONS FROM EXTERIOR/COLD SIDE TO INTERIOR/WARM SIDE



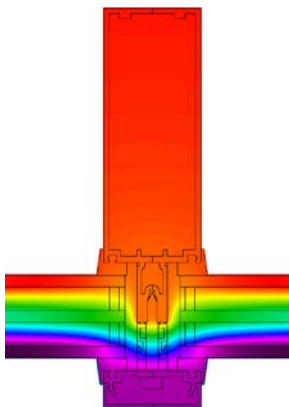
**1620 CURTAIN WALL
1" INSULATING GLASS**



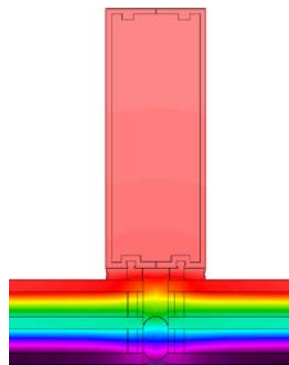
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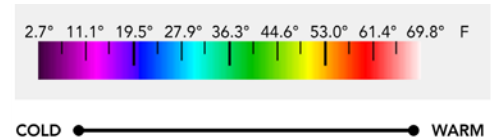
**1620UT SSG CURTAIN WALL
1" INSULATING GLASS**

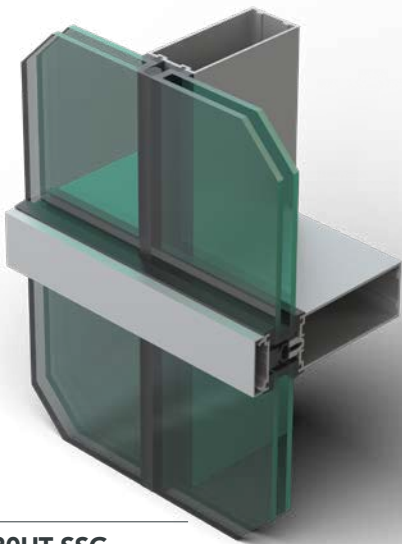


**1620UT CURTAIN WALL
1-3/4" TRIPLE-PANE
INSULATING GLASS**

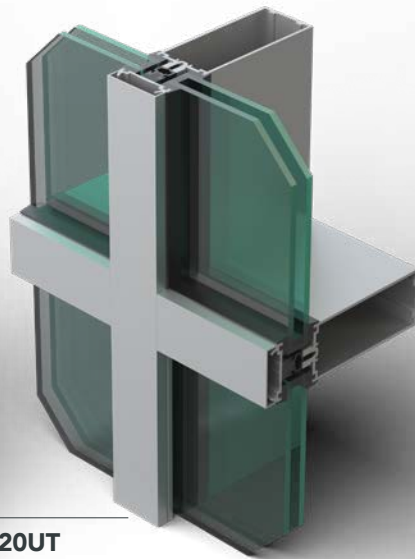


**1620UT SSG CURTAIN WALL
1-3/4" TRIPLE-PANE
INSULATING GLASS**





**1620UT SSG
CURTAIN WALL
DOUBLE-PANE GLASS**



**1620UT
CURTAIN WALL
DOUBLE-PANE GLASS**

AESTHETICS

The 1620UT Curtain Wall System offers a traditional captured look or a two-sided vertical SSG mullion solution that permits greater uninterrupted sightlines while providing enhanced thermal performance.

To create flush and unbroken sightlines, both systems use concealed fasteners in their joinery construction.

Mullion depth options provide both aesthetic design and structural range flexibility. Choices of 90° and 135° are available for corner mullion conditions.

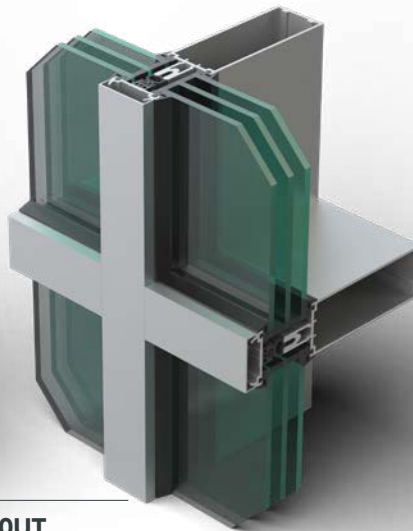
FABRICATION AND INSTALLATION

Installation time and effort are minimized in a number of ways:

- Installers can leverage their knowledge of fabrication and installation methods for the 1600 Curtain Wall platform.
- Straight cuts without notching simplify fabrication.
- A pre-engineered rain screen pressure-equalized (RSPE) back pan option is available that uses easy-to-install spandrel adapters.



**1620UT SSG
CURTAIN WALL
TRIPLE-PANE GLASS**



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