

LINEA

Window Values according to Standards:

BestValue

triple-glazing

Uw 0,78

Ug 0,5 with Swiss

Contemporary architecture calls for clarity and straight-forwardness. Katzbeck honors these requirements through its new LINEA window innovation – a flush-mounted wood/aluminium window that serves as a design object in and of itself.

The flush-mounted window system for contemporary architecture represents high-quality looks, exceptional longevity, and maximum energy efficiency. The sashes and frame line up with the wall in one, thereby providing each room with a clear, contemporary feeling. The slender wood profile and the enlarged glass surfaces facilitate rooms flooded with light and provide for unique views. Specialty edge connectors ensure the highest possible stability and the standard, top-of-the-line, heat-insulating triple-glazing makes this type of window the first choice for anyone looking to combine the best possible heat insulation with extraordinary design.



VISIBLE

**FLUSH-MOUNTED
DESIGN**

PERCEPTIBLE

**DESIGNED FOR
COMFORT**

USABLE

**ENERGY GENERATION
THROUGH DESIGN**



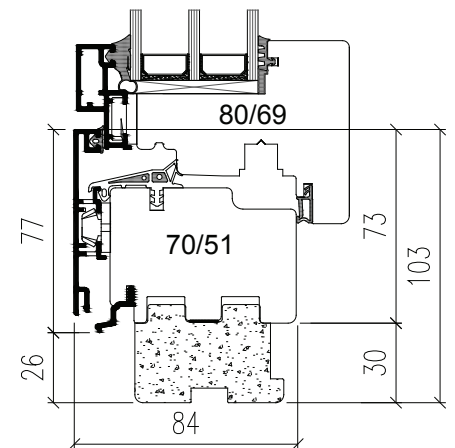
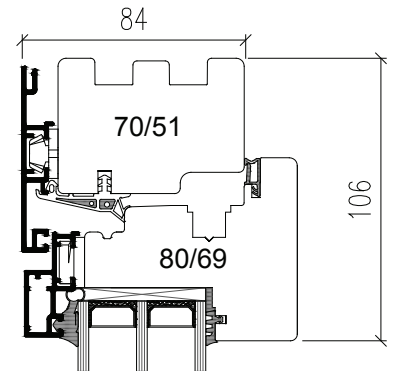
LINEA - EXTERIOR VIEW



LINEA - INTERIOR VIEW

LINEA

Measurement in mm	Frame Width	84
	Overall Width Sides and Top	106
	Overall Width Bottom	136 [106]
	Flying Mullion	124
	Sash/Post/Sash	177
	Sash/Mullion/Sash	177
Construction	Standard Construction	✓
	Specials	✓
	Angled	✓
	Arched	—
Configuration & Systems	Fixed	✓
	Tilt and Turn/Turn Only	✓
	Tilt	✓
	Tilt/Slide Window	✓
	Tilt/Slide Door	✓
	Balcony Door, Lockable	✓
	Low Threshold (34mm)	✓
	Front Door, Inward Opening	✓
	Outward Opening Doors	system COMBINA
Hardware	Visible	✓
	Concealed/Hidden	✓
Seals	Number in Sash	1
	Number in Drainage Channel	1
	Number in Frame	1
	Amount in aluminium profile (s+o) optional	1
	Draft Seal Colour	grey
Glazing	Wet Sealing with Silicone	✓
	Colour	grey
	Glass Rebate	48
Resistance Class WK2	Single-sash turn and turn/tilt	—
	Double-sash turn and turn/tilt	—
	Tilt	—
	Fixed	—
Timber Species	Spruce (White Wood)	✓
	Larch	✓
	Oak	✓
	Framire, Looks like Oak with Density as Larch	✓





woodaluminium window

The thermal insulation of a window depends on the material of the frame, the glazing and the seal tightness.

The U_w -value is the identifier of the insulating characteristics. The smaller the value is, the better the heat insulation will be.

The sound absorption of a window depends on the material of the frame, the glazing and the permeability of the moritse. i.e., the more tightly sealed a window is, the better the insulation performance of a window will be.

U_w = calculated or tested thermal insulation of a window (indicated in watts per squaremeter Kelvin = W/m^2K)

U_g = thermal insulation of the glazing

U_f = calculated or tested thermal insulation of the frame (indicated in watts per squaremeter Kelvin = W/m^2K)

R_w = sound absorption of the window (decibels = dB)

Chart of Thermal Insulation and Sound Absorption

Type of Glass	Glass Structure	Glass Thickness	Weight of Glass m^2	Degree of Light Transmission %-It-Value of Glass	Total Degree of Energy Permeability %-g-Value of Glass	U_g -Value (W/m^2K) - Glass	U_w -Windows feat. Aluminium Spacers	U_w -Windows feat. Stainless Steel Spacers	U_w -Windows feat. THERMA-Spacers	U_w -Windows SWISSPACER feat. V-Spacer	Rw-Value Window	Uf-Value (Average Value)
trp	VSG8.2scb/12/4/14/VSG8.2scb	48	50	-	-	0,7	1,1	0,98	0,93	0,91	45	1,1
trp	VSG8.2scb/16/4/16/b4	48	40	69-70	45-48	0,6	0,97	0,90	0,85	0,82	42	1,1
trp	8b/16/4/16b4	48	40	69-70	47-48	0,6	0,97	0,90	0,85	0,82	40	1,1
trp	6b/16/4/18/b4	48	35	70-71	49	0,6	0,97	0,90	0,85	0,82	39	1,1
trp	6b/14/6/16/b6	48	45	68-69	48	0,6	0,97	0,90	0,85	0,82	36	1,1
trp	4b/18Ar/4/18Ar/b4 „solar“	48	30	73	60	0,6	0,97	0,90	0,85	0,82	35	1,1
trp	4b/18/4/18/b4	48	30	71-72	50	0,5	0,93	0,86	0,81	0,78	36	1,1

CAUTION: variations of the light and radiation technology values are possible due to the manufacturing process, as well as to the chemical consistency of the glass.

GLASS FEATURING PRESSURE COMPENSATION

If components and/or glass are delivered to or assembled at a location over an altitude of 1000 m, pressure compensation of the glazing has to be performed (the altitude has to be listed on the order form – pressure compensation will be performed by the glass supplier or on site).

NOTE

Thermal insulation and sound absorption values of windows depend on the dimensions and models. The values listed correspond to single sash windows measuring 1230 x 1480 mm and the models described in the test certificates, as defined by the standards. Deviating dimensions and models may result in different values.