



KV 440 UPVC-ALUMINIUM-COMPOSITE WINDOW



CHARACTERISTICS



Thermal insulation (in W/m²K)
U_w up to 0,64



Sound reduction (in dB)
up to 39 - 45



Security
up to RC 2



Locking
fully concealed



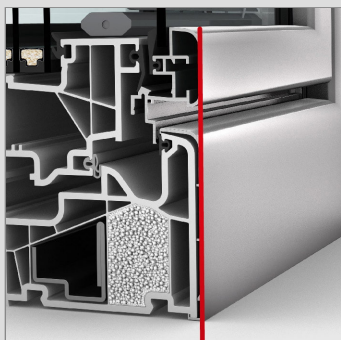
Installation Depth (in mm)
93

I-tec Glazing

I-tec Shading

I-tec Insulation

I-tec Connect

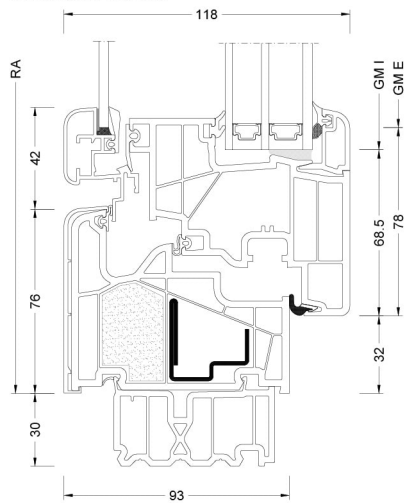


The flush transition between frame and sash, combined with the integrated sun and privacy protection unites KV 440 into a single unit. Venetian, Roman or the black-out Duette® blinds are integrated between accessible panes and therefore protected from dirt. With perfect sun, privacy, heat and sound insulation, you can enjoy quadruple protection in just one window. Using a photovoltaic module and battery, I-tec Shading can be controlled without an additional external power source.

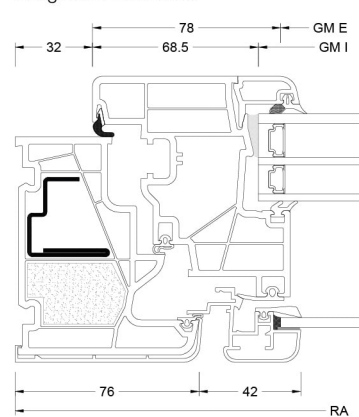


Cuts

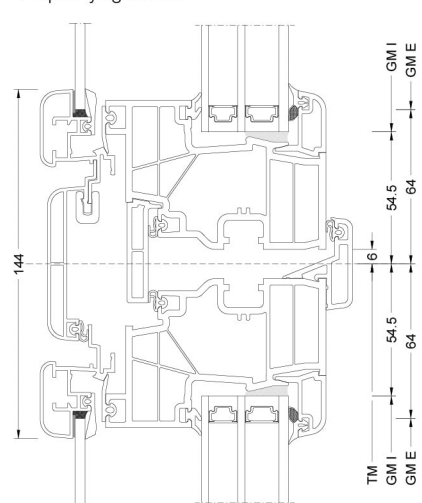
Senkrecht / Vertical



Waagrecht / Horizontal



Stulp / Flying mullion



BM Bestellmaß / Ordering size
 FM G Flügelmaß Gehflügel / Sash size master sash
 FM S Flügelmaß Stehflügel / Sash size slave sash
 FOK Fußbodenoberkante / Finished floor level

GM Glasmaß / Glass size
 RA Rahmenaußenmaß / Outside frame size
 TM Teilungsmaß / Division size

Values

Glass Build Up	GC	Coating	AH	U _g	g	U _f	Psi	U _w	R _w	C	Ctr	Certificate - Thermal Performance	Certificate - Sound
6 // 6/18Ar/b4	2KU	Low-Carbon iplus	Iso Alu	1,1 1,1	- -	0,95 0,95	0,024 0,041	0,98 1,0	42 42	-4 -4	-9 -9	✓ ✓	✓ ✓
4 // 6/18Ar/b4	2KU	Low-Carbon iplus	Iso Alu	1,1 1,1	- -	0,95 0,95	0,024 0,041	0,98 1,0	40 40	-3 -3	-7 -7	✓ ✓	✓ ✓
4 // 3bESG/12Ar/3/14Ar/b4	3AD	Low-Carbon iplus	Iso Alu	0,7 0,7	- -	1,0 1,0	0,018 0,037	0,77 0,82	41 41	-4 -4	-9 -9	✓ ✓	✓ ✓
6 // 3bESG/12Ar/3/14Ar/b4	3AD	Low-Carbon iplus	Iso Alu	0,7 0,7	- -	1,0 1,0	0,018 0,037	0,77 0,82	43 43	-3 -3	-8 -8	✓ ✓	✓ ✓
4 // 3bESG/12Kr/3/14Kr/b4	3AE	Low-Carbon iplus	Iso Alu	0,5 0,5	- -	1,0 1,0	0,018 0,037	0,70 0,75	41 41	-4 -4	-9 -9	✓ ✓	✓ ✓
6 // 3bESG/12Kr/3/14Kr/b4	3AE	Low-Carbon iplus	Iso Alu	0,5 0,5	- -	1,0 1,0	0,018 0,037	0,70 0,75	43 43	-3 -3	-8 -8	✓ ✓	✓ ✓



Internorm takes responsibility for the environment and climate

Internorm's use of low-carbon iplus glass saves 10,000 t of CO₂ eq annually

Glass is an fundamental component in window production. As Europe's leading window brand, we take our responsibility seriously, and incorporate low-carbon iplus insulating glazing in our product range as standard.

In order to reduce greenhouse gas emissions, we analysed the entire low-carbon float glass production chain. This included activities before, during and after the actual manufacturing process, right through to delivery to the customer.

The result is a 4 mm thick, low-carbon float glass with a reduced carbon footprint of 5.5 kg CO₂ eq/m² that delivers emission savings of over 45%.

What turns low-carbon iplus glass into thermally insulated glass?

- Use of low-emission raw materials
- Use of highly efficient melting furnaces including electric boosting
- At least 50% recycled content, to conserve valuable raw materials
- Utilisation of renewable energies
- Optimised transport throughout the entire supply chain