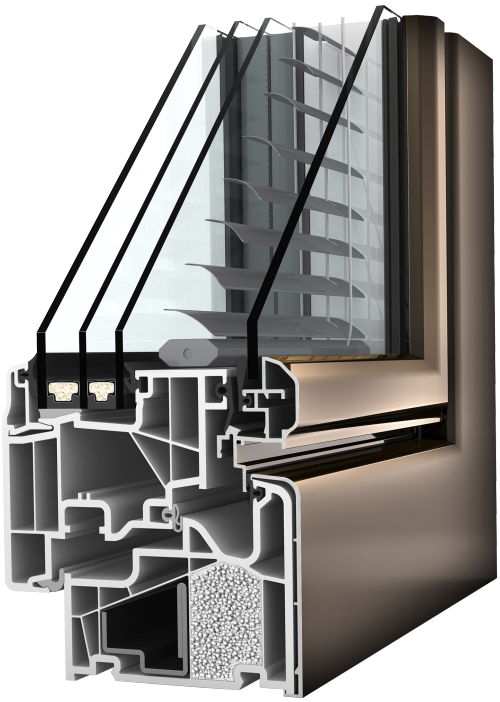
ambiente

Internorm
Windows – Doors

KV 440 UPVC-ALUMINIUM-COMPOSITE WINDOW



CHARACTERISTICS

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

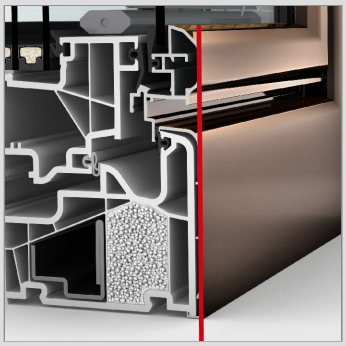
Sound reduction (in dB)
up to 39 - 45

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 the rounded frame and sash creates an elegant, traditional look. Venetian or Roman blinds, or the black-out Duette® blinds, are integrated between the accessible panes and therefore protected from the weather and dirt. I-tec Shading with photovoltaic module and battery is completely energy self-sufficient and therefore requires no additional external power source.

UPVC-ALUMINIUM-COMPOSITE WINDOW

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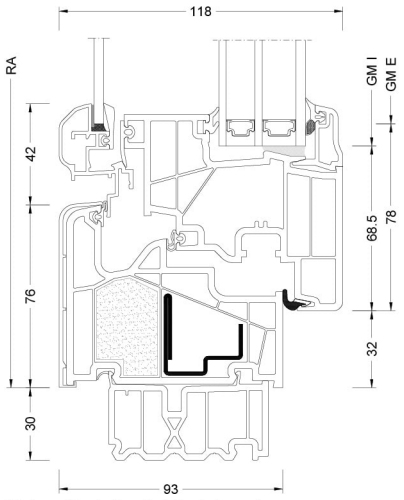
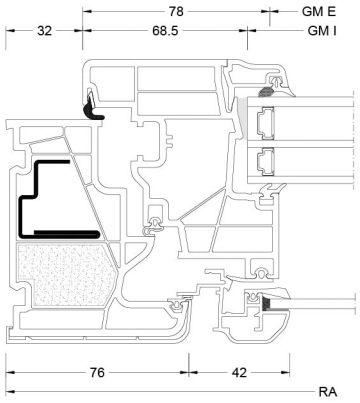
Cuts

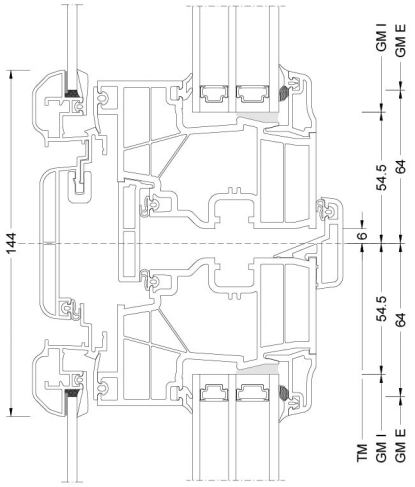
Senkrecht / Vertical



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	1,1	-	0,95	0,024	0,98	42	-3	-9	✓	✓
6 // 3bESG/12Ar/3/14Ar/b4	3AD	Low-Carbon iplus	Iso	0,7	-	1,0	0,018	0,77	43	-2	-8	✓	✓
6 // 3bESG/12Kr/3/14Kr/b4	3AE	Low-Carbon iplus	Iso	0,5	-	1,0	0,018	0,70	43	-2	-8	✓	✓
4 // 6/18Ar/b4	2KU	Low-Carbon iplus	Iso	1,1	-	0,95	0,024	0,98	40	-2	-7	✓	✓
4 // 3bESG/12Ar/3/14Ar/b4	3AD	Low-Carbon iplus	Iso	0,7	-	1,0	0,018	0,77	41	-3	-9	✓	✓
4 // 3bESG/12Kr/3/14Kr/b4	3AE	Low-Carbon iplus	Iso	0,5	-	1,0	0,018	0,70	41	-3	-9	✓	✓

Internorm takes responsibility for the environment and climate

Internorm's use of low-carbon iplus glass saves 10,000 t of CO_2 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 CO_2 eq/m^2 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

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