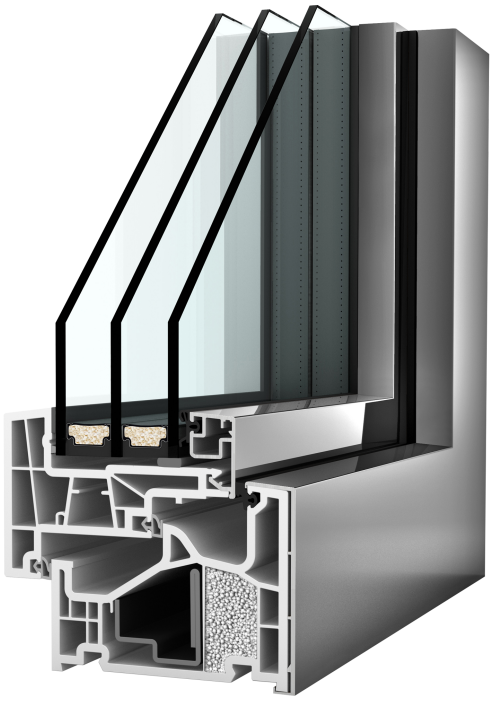
home pure

Internorm
Windows – Doors

KF 510 UPVC-ALUMINIUM-WINDOW



CHARACTERISTICS

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

Sound reduction (in dB)
up to 34 - 48

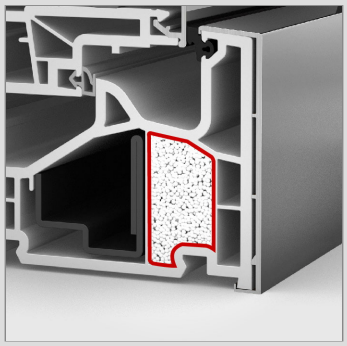
Security
up to RC 3

Locking
fully integrated

Installation Depth (in mm)
93

I-tec Secure
I-tec Glazing
I-tec Insulation







The particularly slim and modern frame of the KF 510 results in an even larger area of glazing to allow maximum light transmission and improved living. The fully integrated I-tec Secure system provides enhanced security thanks to the patented flap mechanism, which presses into all four sides of the frame when locking, making it virtually impossible to lever the window. The concealed hardware also makes it easy to clean, and combined with I-tec Insulation and I-tec Glazing, the new KF 510 offers the ideal window solution.

UPVC-ALUMINIUM-WINDOW

KF 510

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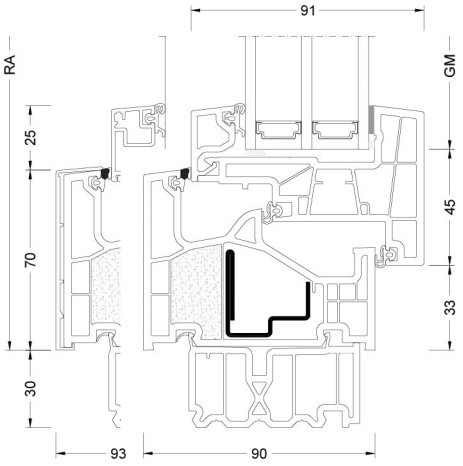
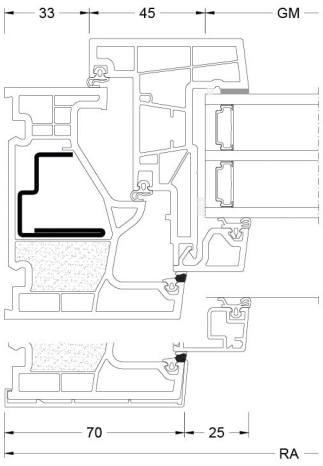
Cuts

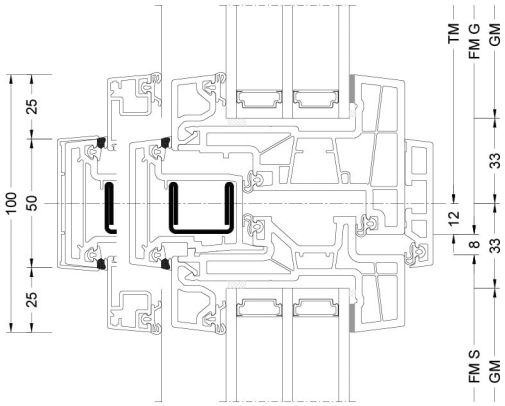
Senkrecht / Vertical



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
4b/18Ar/4/18Ar/b4	3N2	Low-Carbon iplus	Iso	0,5	53	0,99	0,035	0,72	34	-2	-5	✓	✓
22b.2(VSG)/16Ar/4/18Ar/b22.2(VSG)	3GW	iplus	Iso	0,5	49	0,99	0,035	0,72	38	-4	-9	✓	✓
6b/18Ar/4/16Ar/b4	33U	Low-Carbon iplus	Iso	0,5	52	0,99	0,035	0,72	39	-2	-6	✓	✓
4b/16Ar/4/15Ar/b44.2(VSG-S)	34N	Low-Carbon iplus	Iso	0,6	52	0,99	0,035	0,79	41	-2	-8	✓	✓
6b/15Ar/4/14Ar/b44.2(VSG-S)	34P	Low-Carbon iplus	Iso	0,6	59%	0,99	0,035	0,79	43	-2	-7	✓	✓
44b.2(VSG-S)/15Ar/4/12Ar/b44.2(VSG-S)	3FH	Low-Carbon iplus	Iso	0,6	47	0,99	0,035	0,79	46	-2	-7	✓	✓
44b.2(VSG-S)/18Ar/4/16Ar/b44.2(VSG-S)	3ND	Low-Carbon iplus	Iso	0,5	47	0,99	0,035	0,72	48	-2	-6	✓	✓

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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