



home pure

Internorm®
Windows – Doors

HF 510 TIMBER-ALUMINIUM-WINDOW



CHARACTERISTICS



Thermal insulation (in W/m²K)
U_w up to 0,65



Sound reduction (in dB)
up to 35 - 47



Security
up to RC1N, RC2



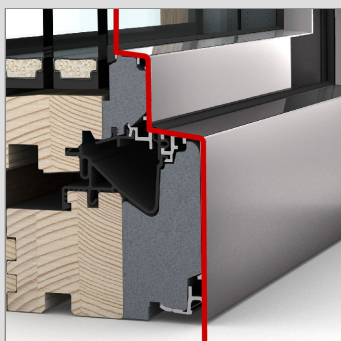
Locking
fully concealed



Installation Depth (in mm)
85

I-tec Glazing

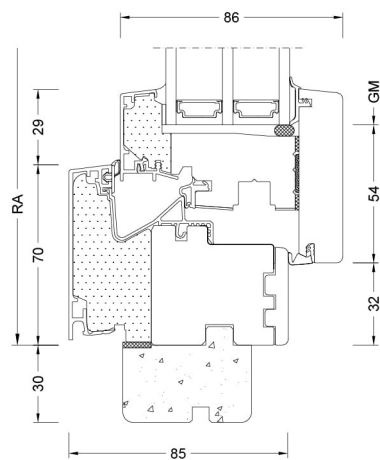
I-tec Connect



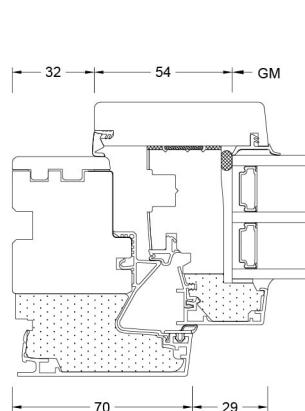
The unique I-tec Core technology of thin, laminated timber layers, makes the HF 510 exceptionally stable and robust, allowing the manufacture of even larger window sizes. The combination of timber, insulating foam and aluminium cladding provides superior thermal performance. Sustainably sourced timber options and a wide choice of colours offers unlimited interior design possibilities.

Cuts

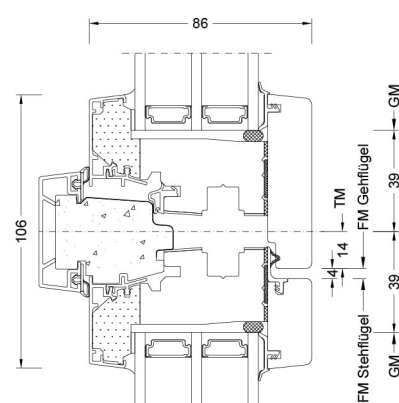
Senkrecht / Vertical



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 Alu	0,5 0,5	53 53	0,94 0,94	0,04 0,089	0,72 0,85	35 35	-2 -2	-5 -5	✓ ✓	✓ ✓
6b/18Ar/4/16Ar/b4	33U	Low-Carbon iplus	Iso Alu	0,5 0,5	52 52	0,94 0,94	0,043 0,092	0,73 0,85	39 39	-2 -2	-6 -6	✓ ✓	✓ ✓
44b.2(VSG-S)/ 15Ar/4/12Ar/b44.2(VSG-S)	3FH	Low-Carbon iplus	Iso Alu	0,6 0,6	47 47	0,94 0,94	0,053 0,104	0,83 0,96	47 47	-1 -1	-5 -5	✓ ✓	✓ ✓
4b/18Ar/4/14Ar/b44.2(VSG-S)	39K	Low-Carbon iplus	Iso Alu	0,6 0,6	52 52	0,94 0,94	- -	- -	41 41	-1 -1	-6 -6	✗ ✗	✓ ✓
6b/15Ar/4/14Ar/b44.2(VSG-S)	34P	Low-Carbon iplus	Iso Alu	0,6 0,6	51 51	0,94 0,94	- -	- -	41 41	-1 -1	-5 -5	✗ ✗	✓ ✓



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