



home soft

Internorm®
Windows – Doors

HF 410 TIMBER-ALUMINIUM-WINDOW



CHARACTERISTICS



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



Sound reduction (in dB)
up to 33 - 46



Security
up to RC1N, RC2

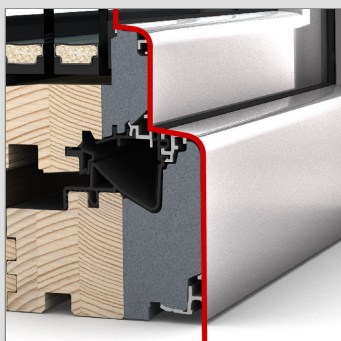


Locking
fully concealed



Installation Depth (in mm)
85

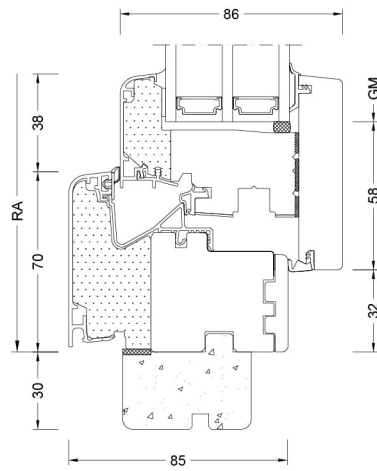
I-tec Glazing



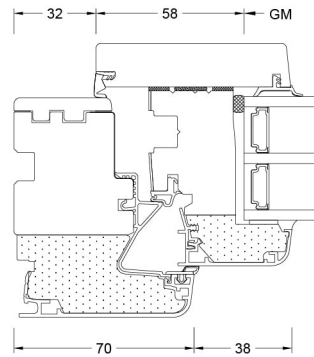
Sophisticated colour coordination of furniture, windows and floors give your rooms a unique flair. The wide range of colours and timber available for the HF 410 timber-aluminium window offers you countless possibilities for the harmonious design of your living space. The timber/thermo-foam/aluminium composite ensures the best thermal insulation with a slim construction depth.

Cuts

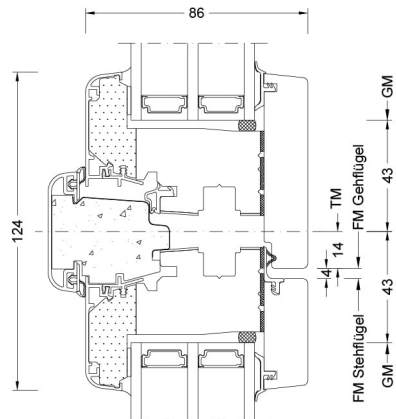
Senkrecht / Vertical



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	0,91 0,91	0,036 0,075	0,71 0,81	35 35	-2 -2	-6 -6	✓ ✓	✓ ✓
6b/18Ar/4/16Ar/b4	33U	Low-Carbon iplus	Iso Alu	0,5 0,5	52 52	0,91 0,91	0,039 0,081	0,72 0,82	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	0,91 0,91	0,049 0,093	0,81 0,93	46 46	-1 -1	-4 -4	✓ ✓	✓ ✓
4b/18Ar/4/14Ar/b44.2(VSG-S)	39K	Low-Carbon iplus	Iso Alu	0,6 0,6	52 52	0,91 0,91	- -	- -	42 42	-3 -3	-7 -7	x x	✓ ✓
6b/15Ar/4/14Ar/b44.2(VSG-S)	34P	Low-Carbon iplus	Iso Alu	0,6 0,6	51 51	0,91 0,91	- -	- -	41 41	-2 -2	-6 -6	x x	✓ ✓



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