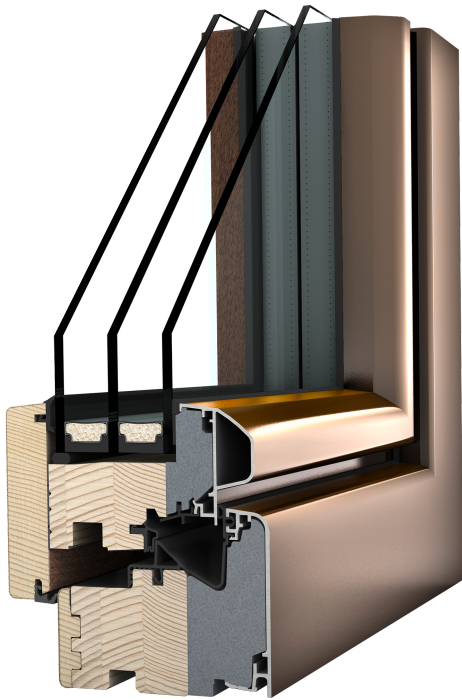







HF 410 TIMBER-ALUMINIUM-WINDOW




CHARACTERISTICS

 **Thermal insulation** (in W/m^2K)
 U_w up to 0,64

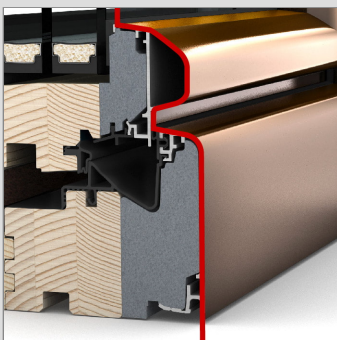
 **Sound reduction** (in dB)
up to 33 - 46

 **Security**
up to RC1N, RC2

 **Locking**
fully concealed

 **Installation Depth** (in mm)
85

I-tec Glazing

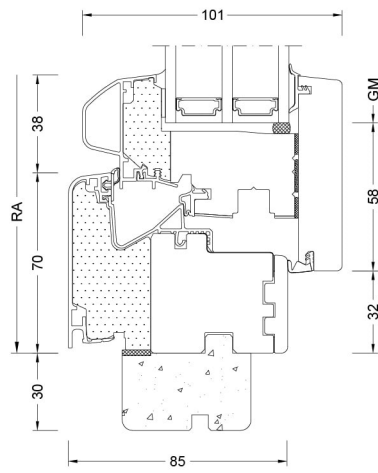


The wide range of colours and timber options available for the HF 410 timber-aluminium window offers you countless possibilities for creating a harmonious living space. In particular, darker shades of brown in combination with antique furniture and old wooden floors create an elegant living environment. The tasteful elegance is emphasised by concealed hardware. The timber-thermo-foam-aluminium composite ensures the best thermal insulation with a slim construction depth.

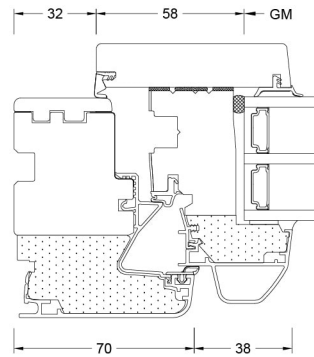


Cuts

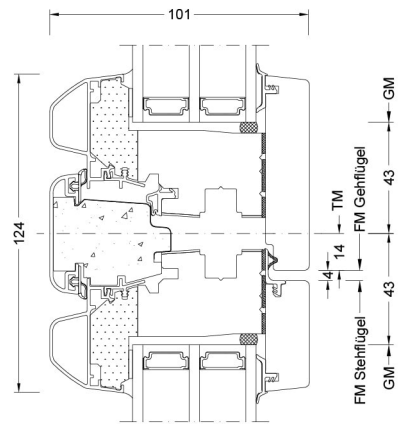
Senkrecht / Vertical



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	ECLAZ®	Iso Alu	0,5 0,5	60 60	0,91 0,91	0,036 0,075	0,71 0,81	35 35	-2 -2	-6 -6	✓ ✓	✓ ✓
6b/18Ar/4/16Ar/b4	33U	ECLAZ®	Iso Alu	0,5 0,5	59 59	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	ECLAZ®	Iso Alu	0,7 0,7	55 55	0,91 0,91	0,049 0,093	0,89 1,00	46 46	-1 -1	-4 -4	✓ ✓	✓ ✓
4b/18Ar/4/14Ar/b44.2(VSG-S)	39K	ECLAZ®	Iso Alu	0,6 0,6	60 60	0,91 0,91	- -	- -	42 42	-3 -3	-7 -7	× ×	✓ ✓

**ECLAZ®** – Enjoy the many benefits of the Internorm **ECLAZ® Premium Coating****More light & transparency**

- The special coating allows more daylight to enter the interior, therefore making it brighter and friendlier.
- Enjoy a clearer view of the outside. The external reflection or mirror effect is also low and the glass is colour-neutral from the outside.

Improved health & productivity

- ECLAZ® helps to regulate your inner balance. Blue light from the sun helps to regulate your natural sleep and wake cycle, elevate moods and increase the feeling of well being.

Increased happiness & well-being

- Daylight has a balanced light spectrum and regulates the serotonin balance, which is responsible for well-being and life energy. Halogen bulbs, fluorescent tubes and LEDs lack these important light frequencies. ECLAZ® floods the house with daylight.

- 77% more light transmission of triple glazing with ECLAZ® helps to boost health and well-being, especially in the darker autumn and winter months.

Better energy efficiency & higher cost savings

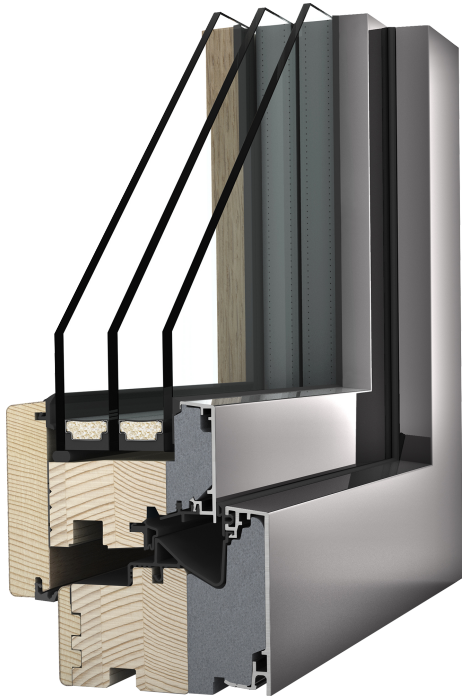
- Less heat loss: ECLAZ® provides excellent thermal insulation, therefore reducing heating costs.
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HF 410 TIMBER-ALUMINIUM-WINDOW



CHARACTERISTICS



Thermal insulation (in W/m^2K)
 U_w up to 0,64



Sound reduction (in dB)
up to 33 - 46



Security
up to RC1N, RC2

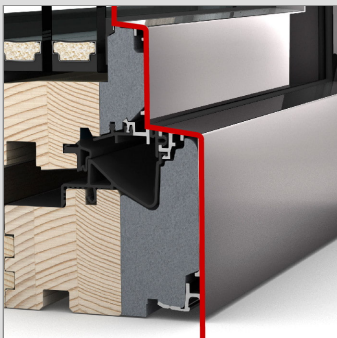


Locking
fully concealed



Installation Depth (in mm)
85

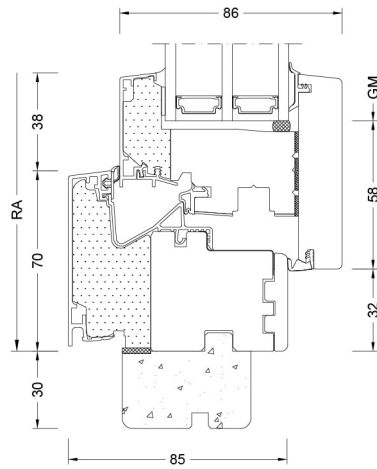
I-tec Glazing



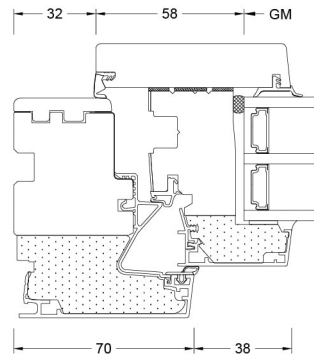
The uniform combination of interior materials, colours and fittings emphasise your minimalist style and bring exceptional individual pieces to the fore. HF 410 adapts perfectly to your interior design. Different colours and types of timber offer you countless possibilities for your individual interior colour scheme. Made to measure, windows can be combined with fixed glazing to create large surfaces.

Cuts

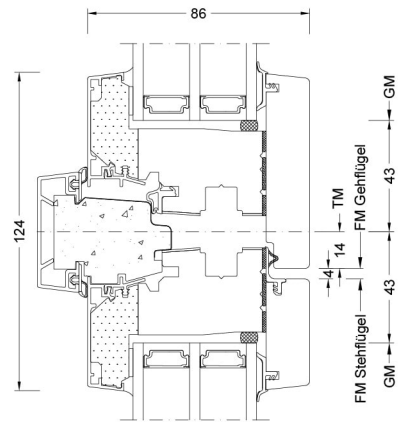
Senkrecht / Vertical



Waagrecht / Horizontal



Stulp / Flying mullion



BM Bestellmaß / Ordering size
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 FM S Flügelmaß Stehflügel / Sash size slave sash
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 RA Rahmenaußenmaß / Outside frame size
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Values

Glass Build Up	GC	Coating	AH	U _g	g	U _f	Psi	U _w	R _w	C	Ctr	Certificate - Thermal Performance	Certificate - Sound
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6b/18Ar/4/16Ar/b4	33U	ECLAZ®	Iso Alu	0,5 0,5	59 59	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	ECLAZ®	Iso Alu	0,7 0,7	55 55	0,91 0,91	0,049 0,093	0,89 1,00	46 46	-1 -1	-4 -4	✓ ✓	✓ ✓
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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

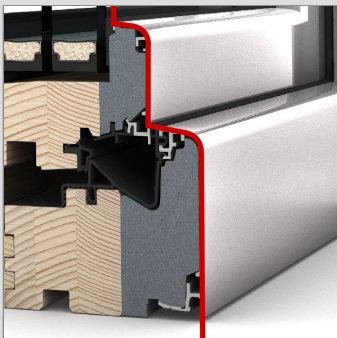


Locking
fully concealed



Installation Depth (in mm)
85

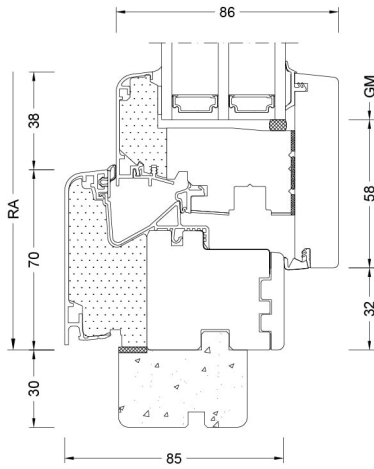
I-tec Glazing



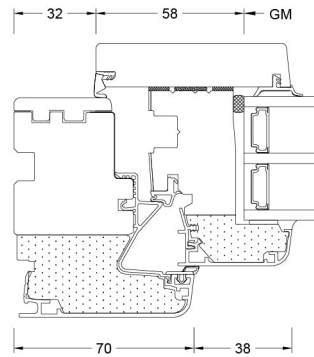
Sophisticated colour coordination of furniture, windows and floors give your rooms a unique flair. The wide range of colours and timber available for the HF 410 timber-aluminium window offers you countless possibilities for the harmonious design of your living space. The timber/thermo-foam/aluminium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

Cuts

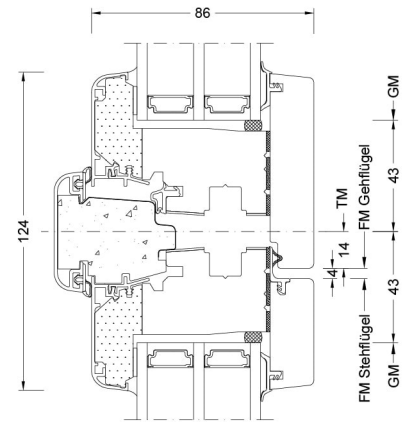
Senkrecht / Vertical



Waagrecht / Horizontal



Stulp / Flying mullion



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 FM S Flügelmaß Stehflügel / Sash size slave sash
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HF 410 TIMBER-ALUMINIUM-WINDOW





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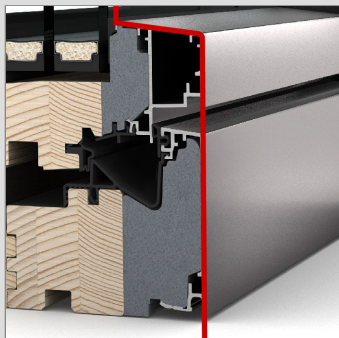
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 **Locking**
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 **Installation Depth** (in mm)
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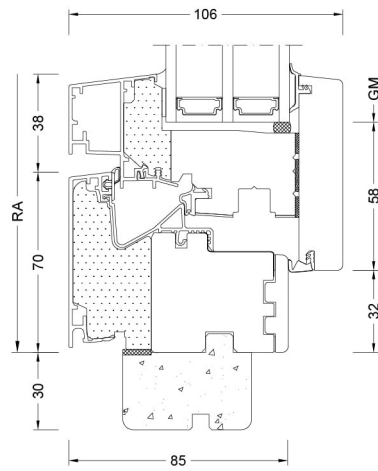
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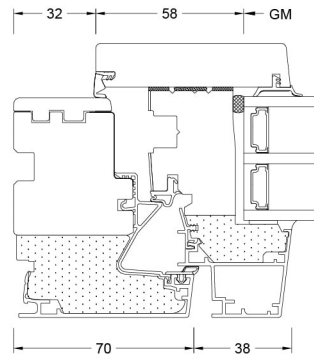
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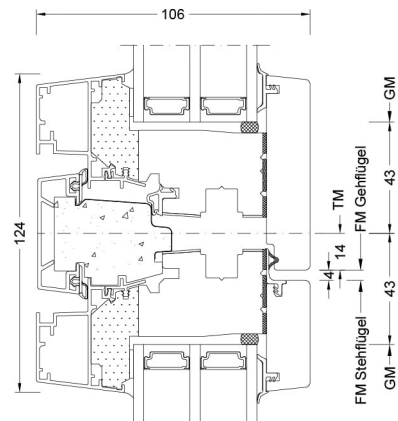
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