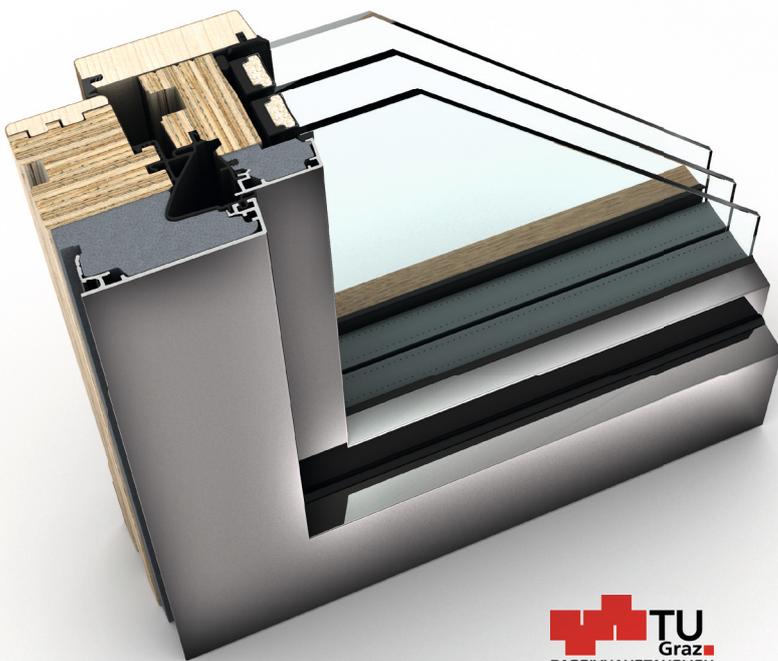


# HF 510 TIMBER-ALUMINIUM WINDOW



	<b>Thermal insulation</b>	$U_w$ as low as 0.65 W/(m <sup>2</sup> K)
	<b>Noise reduction</b>	up to 44 dB
	<b>Security</b>	RC1N, RC2
	<b>Locking</b>	concealed
	<b>Construction depth</b>	85 mm

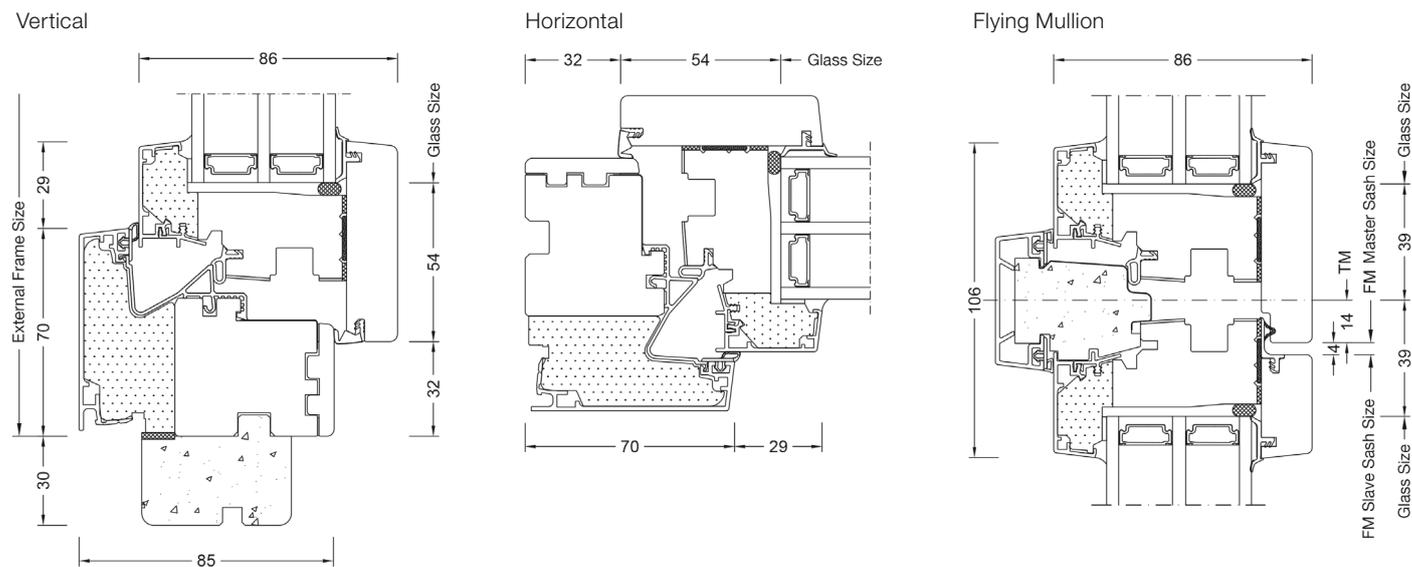
**I-tec Glazing**  
**I-tec Core**



## HF 510

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.

## Sections



## Values

Glass build up	GC	Spacer	Coating	Ug	g	Uf	Psi	Uw	Thermal cert.	Rw	C	Ctr	Sound cert.
4b/18Ar/4/18Ar/b4	3N2	Iso	ECLAZ	0,5	60%	0,94	0,040	0,72	YES	35	-2	-5	YES
		Alu	ECLAZ	0,5	60%	0,94	0,089	0,85					
6b/18Ar/4/16Ar/b4	33U	Iso	ECLAZ	0,6	59%	0,94	0,043	0,80	YES	39	-2	-6	YES
		Alu	ECLAZ	0,6	59%	0,94	0,092	0,93					
44b.2(VSG-S)/ 15Ar/4/12Ar/ b44.2(VSG-S)	3FH	Iso	ECLAZ	0,6	55%	0,94	0,053	0,90	YES	44	-1	-5	YES
		Alu	ECLAZ	0,6	55%	0,94	0,104	1,00					
4b/16Ar/4/15Ar/b44.2(VSG-S)	34N	Iso	ECLAZ	0,6	60%	0,94	0,043	0,80*	NO	41	-1	-6	YES
		Alu	ECLAZ	0,6	60%	0,94	0,092	0,93*					

Values for **home pure** with test certificate

## 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.

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.

### 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.
- It also helps to boost alertness, improve productivity and learning.

### Better energy efficiency & higher cost savings

- Less heat loss: ECLAZ® provides excellent thermal insulation, therefore reducing heating costs.
- Greater energy savings: 60% improvement in solar gain with triple glazing resulting in lower heating costs and higher energy efficiency.

### Increased happiness & well-being

- Daylight has a balanced light spectrum and regulates the serotonin balance, which is responsible for well-being and life energy.

### Get more as standard

- ECLAZ® is fitted as standard in every Internorm window.
- No additional costs. You enjoy the benefits of this premium glass coating without having to pay more.

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