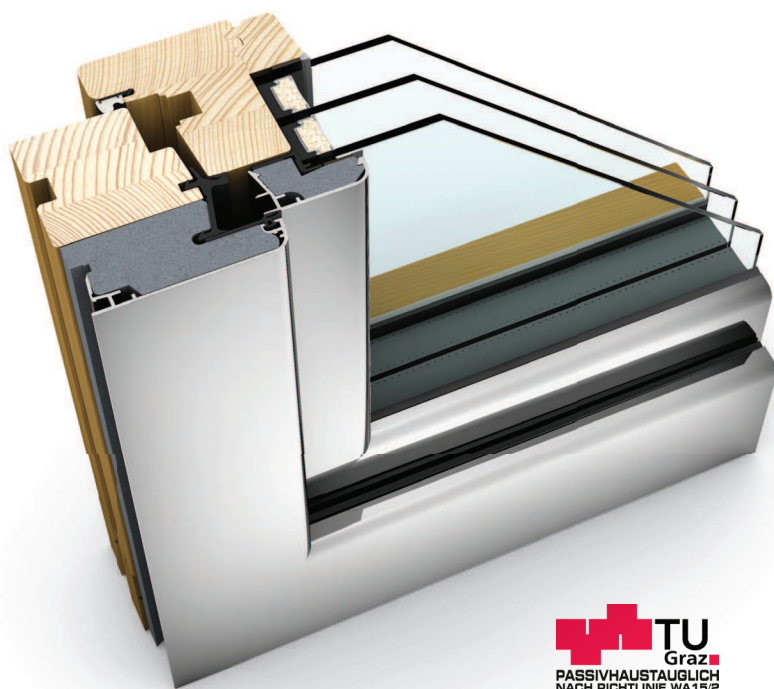







# HF 310 TIMBER/ALUMINIUM WINDOW

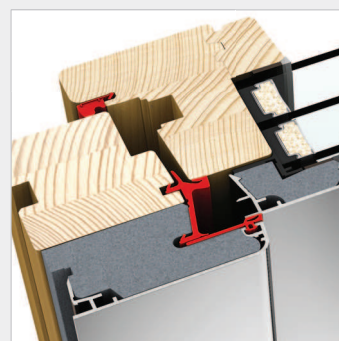
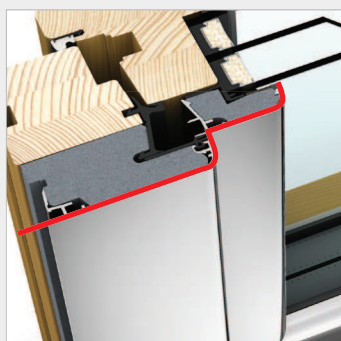


**TU**  
Graz  
PASSIVHAUSTÄUGLICH  
NACH RICHTLINIE WA15/2

## PROPERTIES

	<b>Thermal insulation</b>	$U_w$ as low as 0.62 W/(m²K)
	<b>Sound reduction</b>	up to 46 dB
	<b>Security</b>	RC1N, RC2
	<b>Locking</b>	concealed
	<b>Construction depth</b>	85 mm

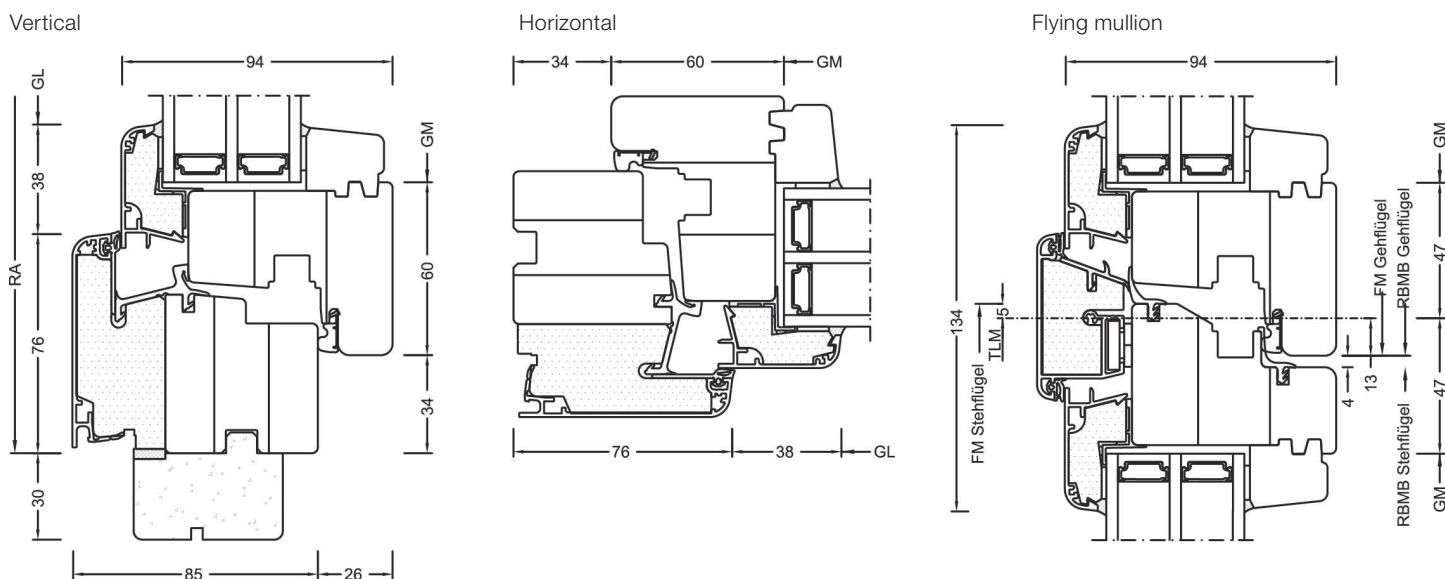
**I-tec Glazing**



### HF 310

HF 310 ensures living comfort, not only because of its timber inside surface. The rounded edges of frame and sash convey a cosy atmosphere inside and outside. Highly insulating thermal foam and the all round bonding of the glass pane (I-tec Glazing) ensure excellent thermal insulation and stability. Triple continuous gaskets prevent water from reaching the timber areas.

## Sections



## Values

Glass buildup	GC	Spacer	Coating	U <sub>g</sub>	g	U <sub>f</sub>	Psi	U <sub>w</sub>	Thermal certif.	R <sub>w</sub>	C	C <sub>tr</sub>	Sound certif.
4b/18Ar/4/18Ar/b4	3N2	Iso	ECLAZ	0.5	60%	0.86	0.033	0.69	YES	35	-1	-4	YES
		Alu	ECLAZ	0.5	60%	0.86	0.072	0.79	YES				
6b/18Ar/4/16Ar/b4	33U	Iso	ECLAZ	0.5	59%	0.86	0.036	0.77	YES	39	-1	-5	YES
		Alu	ECLAZ	0.5	59%	0.86	0.079	0.88	YES				
44b.2(VSG-S)/15Ar/ 4/12Ar/ b44.2(VSG-S)	3FH	Iso	ECLAZ	0.7	55%	0.86	0.047	0.87	YES	46	-1	-5	YES
		Alu	ECLAZ	0.7	55%	0.86	0.092	0.98	YES				
8/12Kr/b4	2KA	Iso	ECLAZ	1.0	68%	0.89	0.057	1.1	YES	37	-1	-4	YES
		Alu	ECLAZ	1.0	68%	0.89	0.079	1.2	YES				
4/16Ar/b4	20L	Iso	ECLAZ	1.1	71%	0.89	0.035	1.1	YES	33	-2	-4	YES
		Alu	ECLAZ	1.1	71%	0.89	0.057	1.2	YES				
4b/16Ar/4/15Ar/ b44.2 (VSG-S)	34N	Iso	ECLAZ	0.6	60%	0.86	0.036	0.77*	YES	42	-2	-5	YES
		Alu	ECLAZ	0.6	60%	0.86	0.079	0.88*	YES				
4b/12Ar/4/12Ar/b4	3NK	Iso	ECLAZ	0.7	60%	0.86	0.047	0.87	YES	30	-1	-3	YES
		Alu	ECLAZ	0.7	60%	0.86	0.092	0.98	YES				
6b/10Ar/5/10Ar/b5	3P5	Iso	ECLAZ	0.8	58%	0.87	0.034	0.91*	NO	36*	-	-	NO
		Alu	ECLAZ	0.8	58%	0.87	0.061	0.97*					

Test certificates in **ambiente** - values for **home soft** are identical

## ECLAZ®

Daylight is crucial for our human organism, our wellbeing and our health. Therefore, Internorm windows are equipped with premium glass coating ECLAZ® as standard. The blue components of the light spectrum are transported through the glass more and ensure up to 10 % more daylight. Compared to conventional market glazing, ECLAZ® is offering:

**More aesthetics** – colour-neutral outside view, a combination of function and aesthetics

**More light** – up to 10% more daylight – better for health and wellbeing – a significant advantage especially in the dark winter months\*

**Visual comfort** – for a brilliant view to the outside

**Room comfort** – makes living areas even lighter and friendlier

**Energy efficiency** – excellent insulation of interior thus reducing heating costs - increased energy efficiency in building - up to 11 % less CO<sub>2</sub> emissions

\* In direct comparison to same glass buildups.