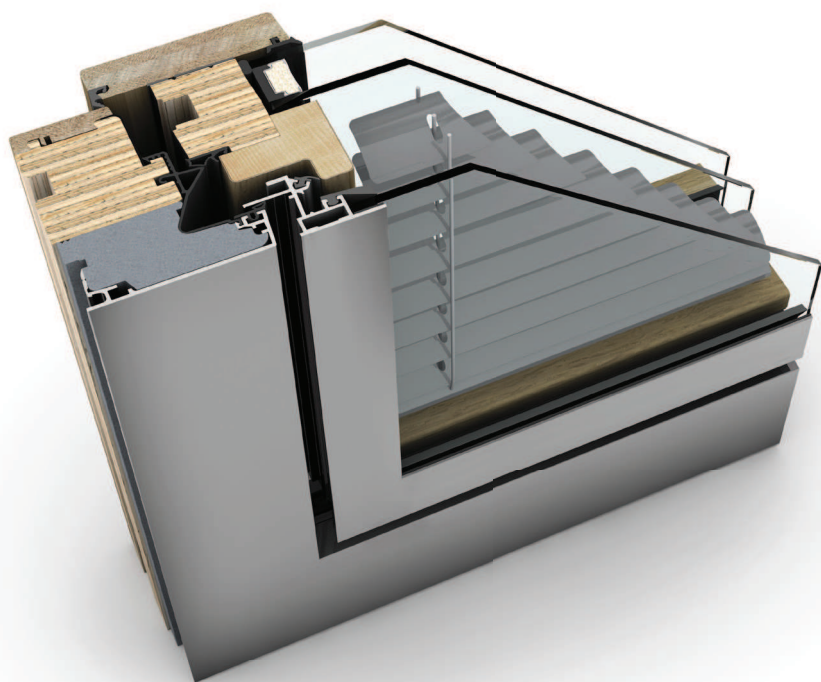







HV 450 TIMBER/ALUMINIUM WINDOW WITH INTEGRATED BLINDS



PROPERTIES

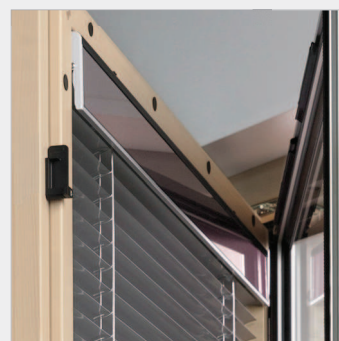
	Thermal insulation	U_w as low as 0.62 W/(m ² K)
	Sound reduction	up to 46 dB
	Security	RC1N, RC2
	Locking	concealed
	Construction depth	85 mm

I-tec Glazing

I-tec Shading

I-tec Core

I-tec SmartWindow

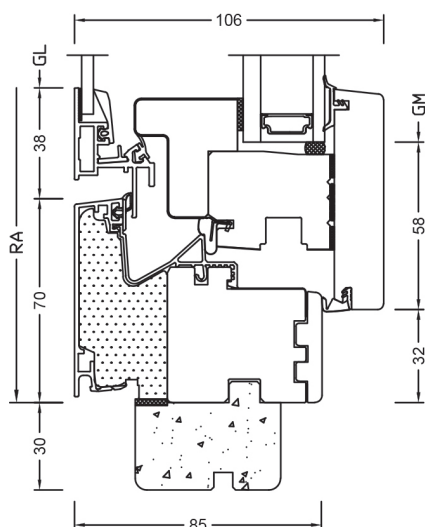


HV 450

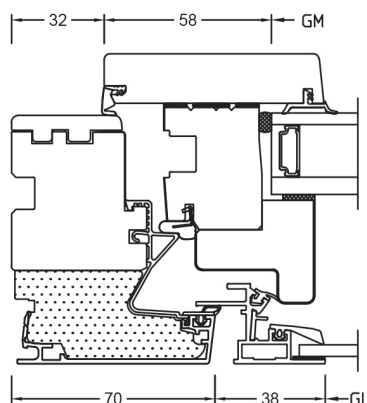
The completely flush transition from frame and sash as well as the integrated sun protection between the panes makes HV 450 one system. Blinds, Venetian blinds or Duette® are protected from dirt through the integrated installation which means 4 x more protection in one window with the perfect sun and privacy protection, thermal insulation and sound reduction. I-tec shading works fully energy self-sufficiently and also offers several other useful functions. Convenient functionality is also available with I-tec Smart Window.

Sections

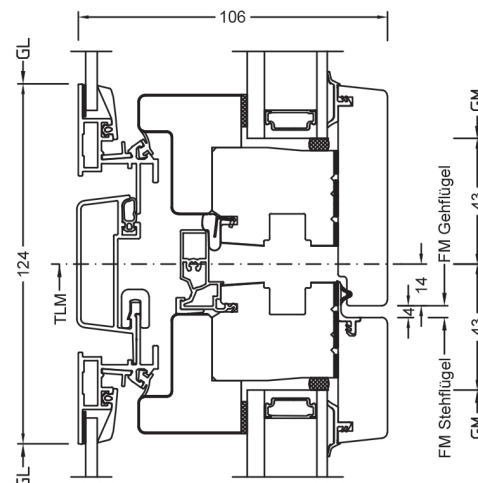
Vertical



Horizontal



Flying mullion



Values

Glass buildup	GC	Spacer	Coating	Ug Insulating glass	g	Uf	Psi	Uw	Thermal certif.	Rw	C	Ctr	Sound certif.
4 // 4bESG/12Kr/4/12Kr/b4ESG	100/3A1	Iso	ECLAZ	0.5	59%	0.92	0.028	0.62	YES	39*	-2	-8	NO
		Alu		0.5	59%	0.92	0.046	0.67					
4 // 3bESG/10Kr/2TVG/10Kr/b3ESG	100/37F	Iso	ECLAZ	0.6	60%	0.94	0.027	0.70	YES	37*	-1	-7	NO
		Alu		0.6	60%	0.94	0.040	0.73					
4 // 4bESG/12Ar/4/12Ar/b4ESG	100/3A2	Iso	ECLAZ	0.7	59%	0.92	0.025	0.76	YES	39	-2	-8	YES
		Alu		0.7	59%	0.92	0.041	0.80					
6 // 4bESG/12Ar/4/12Ar/b4ESG	111/3A2	Iso	ECLAZ	0.7	59%	0.92	0.025	0.76*	NO	42	-2	-7	YES
		Alu		0.7	59%	0.92	0.041	0.80*					
4 // 3bESG/12Ar/3/14Ar/b4	100/3AD	Iso	ECLAZ	0.7	60%	0.92	0.024	0.76*	YES	42	-2	-7	YES
		Alu		0.7	60%	0.92	0.041	0.80*					
4 // 4bESG/10Ar/3/12Ar/b33.2VSG	100/3HP	Iso	ECLAZ	0.8	59%	0.92	0.027	0.83	YES	40*	-2	-8	NO
		Alu		0.8	59%	0.92	0.045	0.88					
4 // 3bESG/8Ar/3/10Ar/b4	100/3AF	Iso	ECLAZ	0.9	60%	0.94	0.023	0.90	YES	39*	-2	-7	NO
		Alu		0.9	60%	0.94	0.035	0.93					
4 // 6/18Ar/b4	100/2KU	Iso	ECLAZ	1.1	69%	0.94	0.024	0.97	YES	40*	-2	-7	NO
		Alu		1.1	69%	0.94	0.039	1.0					
6 // 6/18Ar/b4	111/2KU	Iso	ECLAZ	1.1	69%	0.94	0.024	0.97*	NO	43	-2	-7	YES
		Alu		1.1	69%	0.94	0.039	1.0*					
4 // 4ESG/20Ar/b4	100/2KL	Iso	ECLAZ	1.1	71%	0.94	0.022	0.97	YES	39*	-2	-7	NO
		Alu		1.1	71%	0.94	0.036	1.0					
6 // 4ESG/20Ar/b4	111/2KL	Iso	ECLAZ	1.1	71%	0.94	0.022	0.97*	NO	42	-2	-7	YES
		Alu		1.1	71%	0.94	0.036	1.0*					

Values for home pure with test certificate

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 CO₂ emissions

* In direct comparison to same glass buildups.