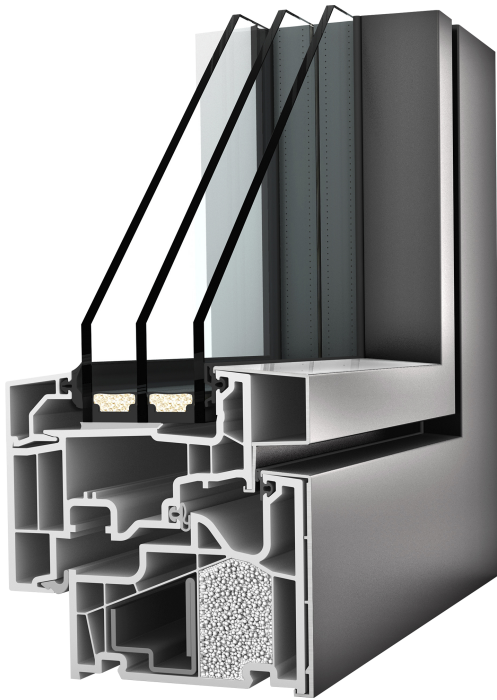




# KF 410 UPVC-ALUMINIUM-WINDOW



## CHARACTERISTICS



**Thermal insulation** (in  $W/m^2K$ )  
 $U_w$  up to 0,62



**Sound reduction** (in dB)  
up to 34 - 47



**Security**  
up to RC 2



**Locking**  
fully concealed

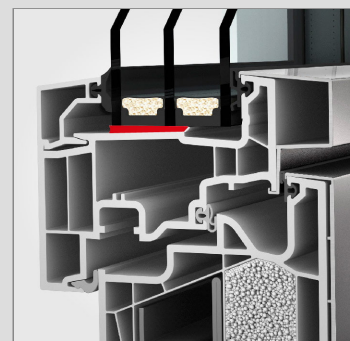
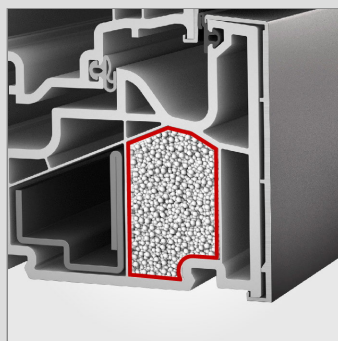
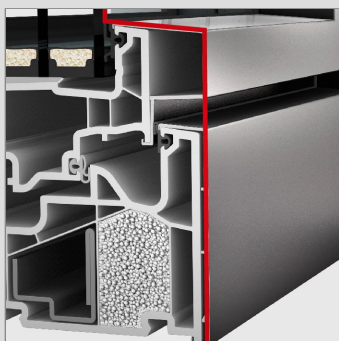


**Installation Depth** (in mm)  
93

**I-tec Glazing**

**I-tec Insulation**

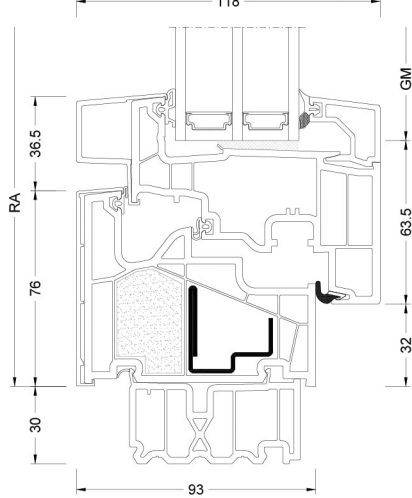
**I-tec Decor**



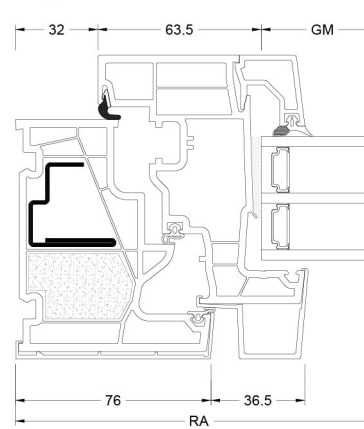
The completely flush transition between frame and sash unites the KF 410 into a single unit. If the frame is rendered on three sides on the outside, only the slim, square frame of the sash is visible. Thanks to the I-tec Insulation technology, the frame is insulated all round and thermal insulation is significantly improved. The new I-tec Decor digital printing technology provides you with a wide range of designs to customise the inside.

**Cuts**

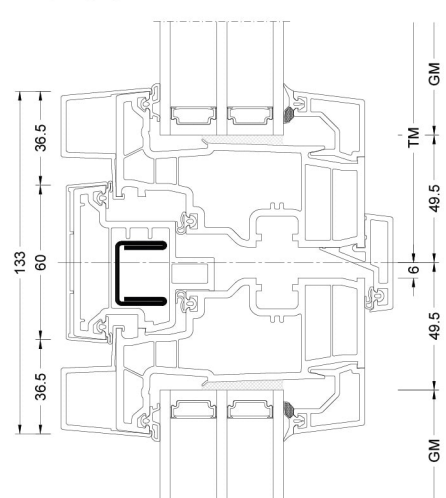
Senkrecht / Vertical



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 <sub>g</sub>	g	U <sub>f</sub>	Psi	U <sub>w</sub>	R <sub>w</sub>	C	Ctr	Certificate - Thermal Performance	Certificate - Sound
4b/18Ar/4/18Ar/b4	3N2	ECLAZ®	Iso Alu	0,5 0,5	60% 60%	0,92 0,92	0,033 0,073	0,71 0,81	34 34	-2 -2	-6 -6	✓ ✓	✓ ✓
6b/18Ar/4/16Ar/b4	33U	ECLAZ®	Iso Alu	0,5 0,5	59% 59%	0,92 0,92	0,033 0,073	0,71 0,81	40 40	-2 -2	-6 -6	✓ ✓	✓ ✓
4b/16Ar/4/15Ar/ b44.2(VSG-S)	34N	ECLAZ®	Iso Alu	0,6 0,6	60% 60%	0,92 0,92	0,033 0,073	0,78 0,88	42 42	-3 -3	-8 -8	✓ ✓	✓ ✓
6b/15Ar/4/14Ar/ b44.2(VSG-S)	34P	ECLAZ®	Iso Alu	0,6 0,6	59% 59%	0,92 0,92	0,033 0,073	0,78 0,88	43 43	-2 -2	-6 -6	✓ ✓	✓ ✓
44b.2(VSG-S)/18Ar/4/16Ar/ b44.2(VSG-S)	3ND	ECLAZ®	Iso Alu	0,5 0,5	55% 55%	0,92 0,92	0,033 0,073	0,71 0,81	47 47	-1 -1	-4 -4	✓ ✓	✓ ✓
44b.2(VSG-S)/15Ar/4/12Ar/b44.2(VSG-S)	3FH	ECLAZ®	Iso Alu	0,6 0,6	55% 55%	0,92 0,92	0,033 0,073	0,78 0,88	45 45	-1 -1	-5 -5	✓ ✓	× ×

## Without Foam insert

Glass Build Up	GC	Coating	AH	U <sub>g</sub>	g	U <sub>f</sub>	Psi	U <sub>w</sub>	R <sub>w</sub>	C	Ctr	Certificate - Thermal Performance	Certificate - Sound
4b/18Ar/4/18Ar/b4	3N2	ECLAZ®	Iso Alu	0,5 0,5	60% 60%	1,1 1,1	0,033 0,073	0,77 0,87	34 34	-2 -2	-6 -6	✓ ✓	× ×
6b/18Ar/4/16Ar/b4	33U	ECLAZ®	Iso Alu	0,5 0,5	59% 59%	1,1 1,1	0,033 0,073	0,77 0,87	40 40	-2 -2	-6 -6	✓ ✓	× ×
4b/16Ar/4/15Ar/ b44.2(VSG-S)	34N	ECLAZ®	Iso Alu	0,6 0,6	60% 60%	1,1 1,1	0,033 0,073	0,84 0,93	42 42	-3 -3	-8 -8	✓ ✓	× ×
6b/15Ar/4/14Ar/b44.2(VSG-S)	34P	ECLAZ®	Iso Alu	0,6 0,6	59% 59%	1,1 1,1	0,033 0,073	0,84 0,93	43 43	-2 -2	-6 -6	✓ ✓	× ×
44b.2(VSG-S)/18Ar/4/16Ar/ b44.2(VSG-S)	3ND	ECLAZ®	Iso Alu	0,5 0,5	55% 55%	1,1 1,1	0,033 0,073	0,77 0,87	47 47	-1 -1	-4 -4	✓ ✓	× ×
44b.2(VSG-S)/15Ar/4/12Ar/b44.2(VSG-S)	3FH	ECLAZ®	Iso Alu	0,6 0,6	55% 55%	1,1 1,1	0,033 0,073	0,84 0,93	45 45	-1 -1	-5 -5	✓ ✓	× ×

## Insulating Foam Corner

Glass Build Up	GC	Coating	AH	U <sub>g</sub>	g	U <sub>f</sub>	Psi	U <sub>w</sub>	R <sub>w</sub>	C	Ctr	Certificate - Thermal Performance	Certificate - Sound
4b/18Ar/4/18Ar/b4	3N2	ECLAZ®	Iso Alu	0,5 0,5	60% 60%	0,85 0,85	0,033 0,073	0,69 0,79	34 34	-2 -2	-6 -6	✓ ✓	× ×
6b/18Ar/4/16Ar/b4	33U	ECLAZ®	Iso Alu	0,5 0,5	59% 59%	0,85 0,85	0,033 0,073	0,69 0,79	40 40	-2 -2	-6 -6	✓ ✓	× ×
4b/16Ar/4/15Ar/ b44.2(VSG-S)	34N	ECLAZ®	Iso Alu	0,6 0,6	60% 60%	0,85 0,85	0,033 0,073	0,76 0,86	42 42	-3 -3	-8 -8	✓ ✓	× ×
6b/15Ar/4/14Ar/b44.2(VSG-S)	34P	ECLAZ®	Iso Alu	0,6 0,6	59% 59%	0,85 0,85	0,033 0,073	0,76 0,86	43 43	-2 -2	-6 -6	✓ ✓	× ×
44b.2(VSG-S)/18Ar/4/16Ar/b44.2(VSG-S)	3ND	ECLAZ®	Iso Alu	0,5 0,5	55% 55%	0,85 0,85	0,033 0,073	0,69 0,79	47 47	-1 -1	-4 -4	✓ ✓	× ×

Glass Build Up	GC	Coating	AH	U <sub>g</sub>	g	U <sub>f</sub>	Psi	U <sub>w</sub>	R <sub>w</sub>	C	Ctr	Certificate - Thermal Performance	Certificate - Sound
44b.2(VSG-S)/15Ar/4/12Ar/b44.2(VSG-S)	3FH	ECLAZ®	Iso Alu	0,6 0,6	55% 55%	0,85 0,85	0,033 0,073	0,76 0,86	45 45	-1 -1	-5 -5	✓ ✓	× ×

## 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.
- Greater energy savings: 60% improvement in solar gain with triple glazing resulting in lower heating costs and higher energy efficiency.

### 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.