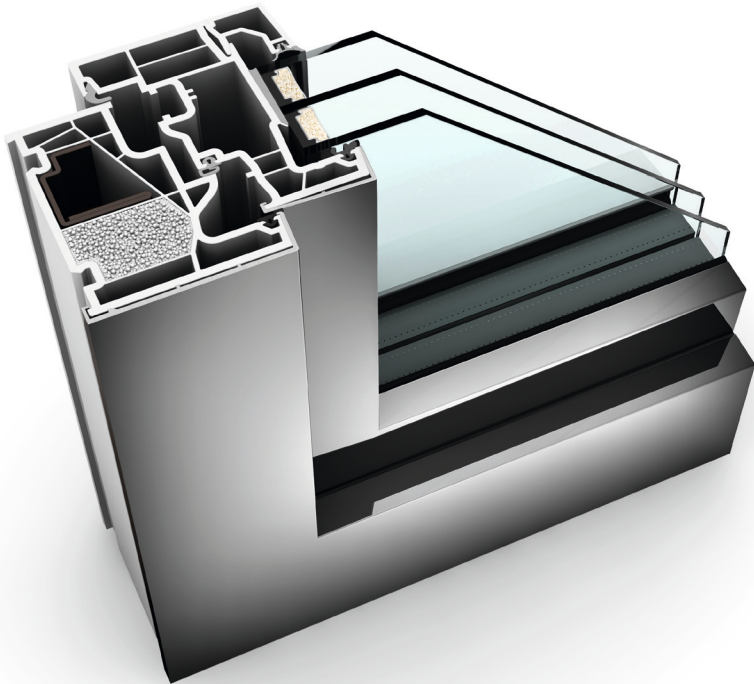







# KF 410 UPVC & UPVC/ALUMINIUM WINDOW



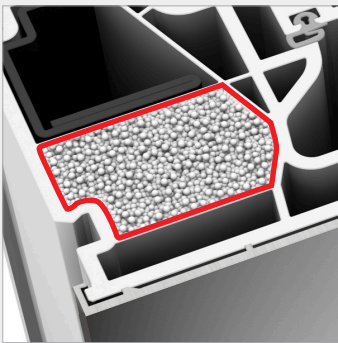
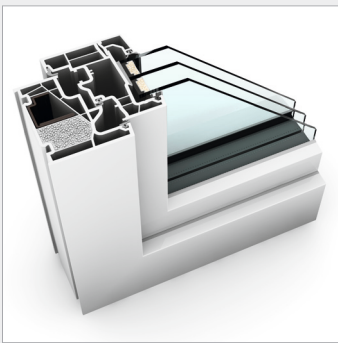
## CHARACTERISTICS

<b>Thermal insulation</b> (in W/m <sup>2</sup> K)		U <sub>w</sub> as low as 0.62
<b>Sound reduction</b> (in dB)		up to 45
<b>Security</b>		RC1N, RC2
<b>Locking</b>		concealed
<b>Construction depth</b> (in mm)		90/93

**I-tec** Glazing

**I-tec** Ventilation

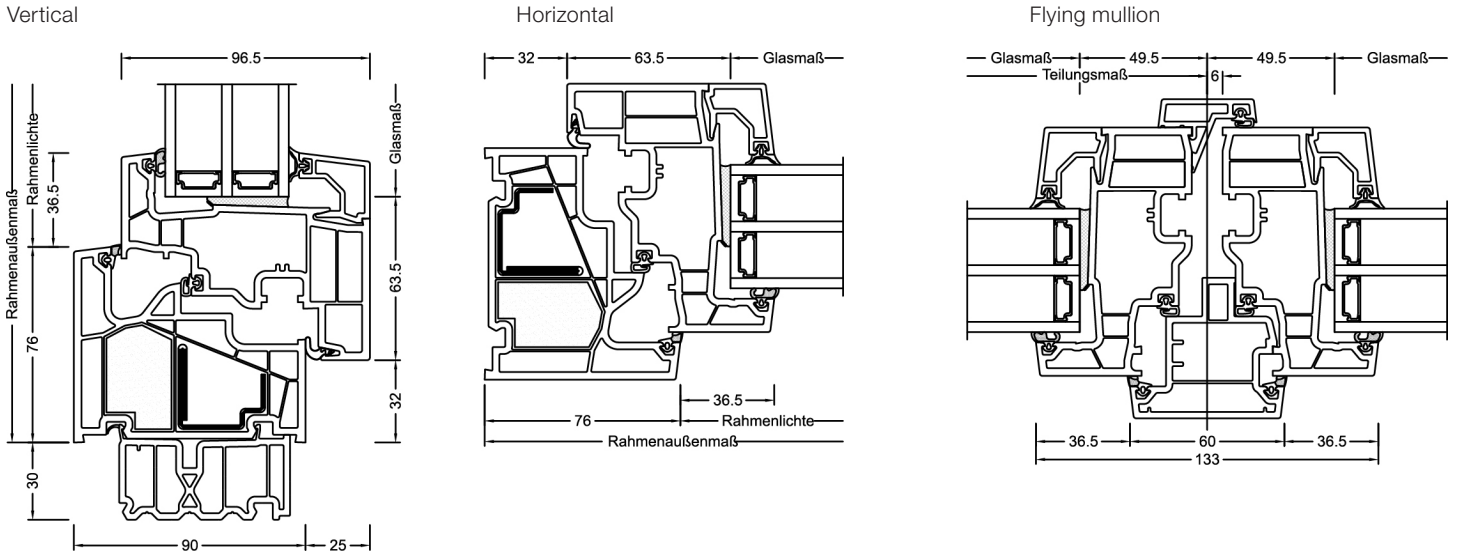
**I-tec** Insulation



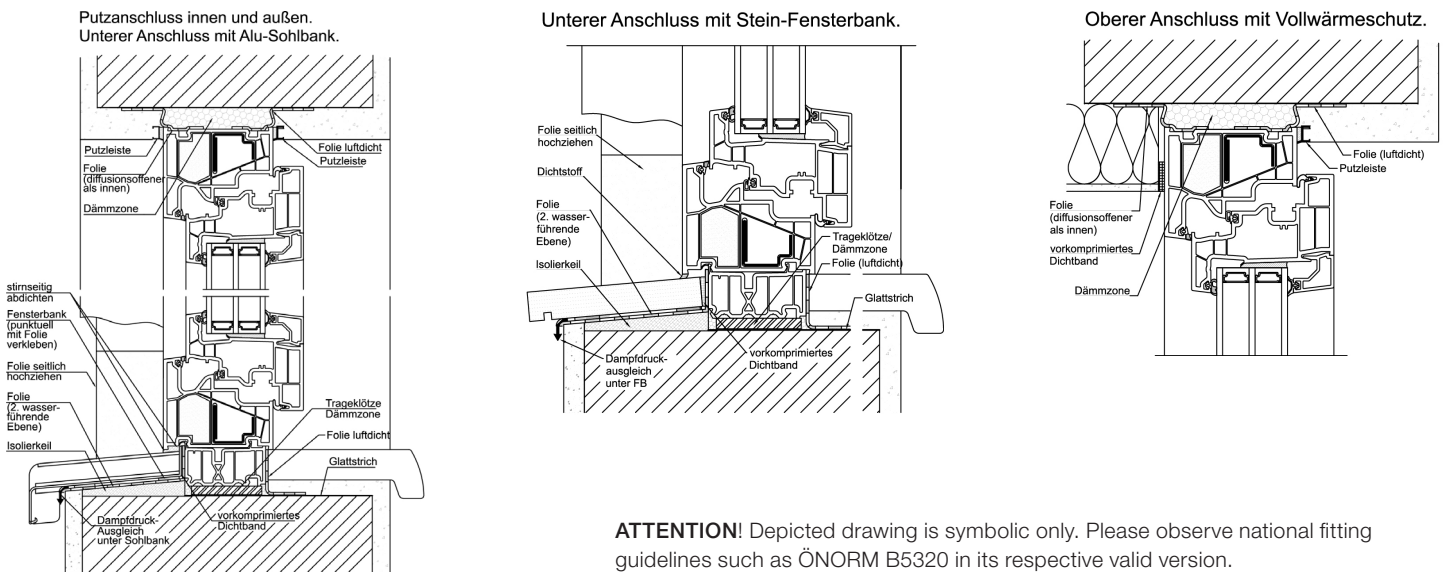
### KF 410

With KF 410 you will always make the correct decision, be it the classical white UPVC version or the weather-resistant aluminium clad version. The square-edged design of frame and sash matches the construction style of design style home pure. The frame is insulated without any gaps through the new insulating technology I-tec insulation and this improves the thermal insulation considerably. I-tec ventilation can be integrated into this window upon request. This innovative ventilation system provides ample fresh air 24/7 and perfect room climate.

**Sections**

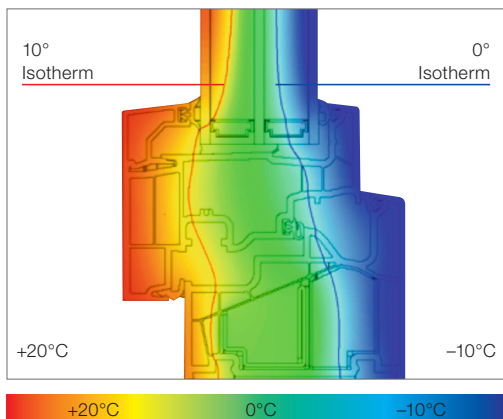


**Construction connections**



**ATTENTION!** Depicted drawing is symbolic only. Please observe national fitting guidelines such as ÖNORM B5320 in its respective valid version.

**Technical information**



Optimal isotherm gradient to ensure low amounts of condensation  
 Due to the deep glass position, tremendous construction depth and the directly glued window panes glazing LIGHT ( $U_g = 0.5 \text{ W/m}^2\text{K}$ ) can achieve a  $U_w$  value of  $0.70 \text{ W/m}^2\text{K}$  (with ISO spacer).

Multi-chamber system with additional highly thermally insulating thermal foam (HCFC-, HFC- and FC-free), continuous all around bonding of pane and sendzimir-galvanised reinforcement iron in frame

- Inside: white or available in decor colour dark grey
- Outside: white or available with aluminium clad in all RAL colours as well as attractive timber, metallic decor, anodised, HF, HFM, DURAxal and 'stainless steel look' colours
- Frame profile with construction depth of 90/93 mm
- Sash profile with construction depth of 96.5 mm
- 2 gaskets in sash profile (stopper gasket and centre gasket) – in light grey
- Frame stopper gasket in UPVC version light grey, with UPVC/aluminium version choice of light grey or black
- Frame and post connections are created through butt welding
- Glazing thickness: 48 and 56 mm
- Installation variations: wall anchor, rawlplug or screw installation

Values

System	Glass setup	Glass code	Spacer	Coating	U <sub>g</sub>	U <sub>f</sub>	Psi	U <sub>w</sub>	Thermal cert.	R <sub>w</sub>	U	C <sub>t</sub>	Sound cert.
KF410	4b/18Ar/4/18Ar/b4	3N2	Iso	light	0.5	0.92	0.033	0.71	YES	34	-2	-6	YES
				SolarXPlus	0.5	0.92	0.033	0.71	YES	34	-2	-6	YES
			Alu	light	0.5	0.92	0.073	0.81	YES	34	-2	-6	YES
				SolarXPlus	0.5	0.92	0.073	0.81	YES	34	-2	-6	YES
	6b/18Ar/4/16Ar/b4	33U	Iso	light	0.5	0.92	0.033	0.71	YES	40	-2	-6	YES
				SolarXPlus	0.5	0.92	0.033	0.71	YES	40	-2	-6	YES
			Alu	light	0.5	0.92	0.073	0.81	YES	40	-2	-6	YES
				SolarXPlus	0.5	0.92	0.073	0.81	YES	40	-2	-6	YES
	4b/16Ar/4/15Ar/ b44.2(VSG-S)	34N	Iso	light	0.6	0.92	0.033	0.78	YES	42	-3	-8	YES
				SolarXPlus	0.6	0.92	0.033	0.78	YES	42	-3	-8	YES
			Alu	light	0.6	0.92	0.073	0.88	YES	42	-3	-8	YES
				SolarXPlus	0.6	0.92	0.073	0.88	YES	42	-3	-8	YES
	6b/18Ar/5/18Ar/ b44.2(VSG-S)	3NT	Iso	light	0.5	0.92	0.033	0.71	YES	43*			no
				SolarXPlus	0.5	0.92	0.033	0.71	YES	43*			no
			Alu	light	0.5	0.92	0.073	0.81	YES	43*			no
				SolarXPlus	0.5	0.92	0.073	0.81	YES	43*			no
	8b/16Ar/5/18Ar/ b44.2(VSG-S)	3NU	Iso	light	0.5	0.92	0.033	0.71	YES	44*			no
				SolarXPlus	0.5	0.92	0.033	0.71	YES	44*			no
			Alu	light	0.5	0.92	0.073	0.81	YES	44*			no
				SolarXPlus	0.5	0.92	0.073	0.81	YES	44*			no
	44b.2(VSG-S)/15Ar/ 4/12Ar/b44.2(VSG-S)	3FH	Iso	light	0.7	0.92	0.033	0.85	YES	45*	-1	-5	no
				SolarXPlus	0.7	0.92	0.033	0.85	YES	45*	-1	-5	no
			Alu	light	0.7	0.92	0.073	0.95	YES	45*	-1	-5	no
				SolarXPlus	0.7	0.92	0.073	0.95	YES	45*	-1	-5	no

Values

System	Glass setup	Glass code	Spacer	Coating	U <sub>g</sub>	U <sub>f</sub>	Psi	U <sub>w</sub>	Thermal cert.	R <sub>w</sub>	U	C <sub>t</sub>	Sound cert.
KF410 without foam insert	4b/18Ar/4/18Ar/b4	3N2	Iso	light	0.5	1.1	0.033	0.77	YES	34*	-2	-6	no
				SolarXPlus	0.5	1.1	0.033	0.77	YES	34*	-2	-6	no
			Alu	light	0.5	1.1	0.073	0.87	YES	34*	-2	-6	no
				SolarXPlus	0.5	1.1	0.073	0.87	YES	34*	-2	-6	no
	6b/18Ar/4/16Ar/b4	33U	Iso	light	0.5	1.1	0.033	0.77	YES	40*	-2	-6	no
				SolarXPlus	0.5	1.1	0.033	0.77	YES	40*	-2	-6	no
			Alu	light	0.5	1.1	0.073	0.87	YES	40*	-2	-6	no
				SolarXPlus	0.5	1.1	0.073	0.87	YES	40*	-2	-6	no
	4b/16Ar/4/15Ar/ b44.2(VSG-S)	34N	Iso	light	0.6	1.1	0.033	0.84	YES	42*	-3	-8	no
				SolarXPlus	0.6	1.1	0.033	0.84	YES	42*	-3	-8	no
			Alu	light	0.6	1.1	0.073	0.93	YES	42*	-3	-8	no
				SolarXPlus	0.6	1.1	0.073	0.93	YES	42*	-3	-8	no
	6b/18Ar/5/18Ar/ b44.2(VSG-S)	3NT	Iso	light	0.5	1.1	0.033	0.77	YES	43*			no
				SolarXPlus	0.5	1.1	0.033	0.77	YES	43*			no
			Alu	light	0.5	1.1	0.073	0.87	YES	43*			no
				SolarXPlus	0.5	1.1	0.073	0.87	YES	43*			no
	8b/16Ar/5/18Ar/ b44.2(VSG-S)	3NU	Iso	light	0.5	1.1	0.033	0.77	YES	44*			no
				SolarXPlus	0.5	1.1	0.033	0.77	YES	44*			no
			Alu	light	0.5	1.1	0.073	0.87	YES	44*			no
				SolarXPlus	0.5	1.1	0.073	0.87	YES	44*			no
	44b.2(VSG-S)/15Ar/ 4/12Ar/ b44.2 (VSG-S)	3FH	Iso	light	0.7	1.1	0.033	0.90	YES	45*	-1	-5	no
				SolarXPlus	0.7	1.1	0.033	0.90	YES	45*	-1	-5	no
			Alu	light	0.7	1.1	0.073	1.0	YES	45*	-1	-5	no
				SolarXPlus	0.7	1.1	0.073	1.0	YES	45*	-1	-5	no

System	Glass setup	Glass code	Spacer	Coating	U <sub>g</sub>	U <sub>f</sub>	Psi	U <sub>w</sub>	Thermal cert.	R <sub>w</sub>	U	C <sub>t</sub>	Sound cert.
KF410 with additional foam in reinforcement chamber and window sash	4b/18Ar/4/18Ar/b4	3N2	Iso	light	0.5	0.85	0.033	0.69	YES	34*	-2	-6	no
				SolarXPlus	0.5	0.85	0.033	0.69	YES	34*	-2	-6	no
			Alu	light	0.5	0.85	0.073	0.79	YES	34*	-2	-6	no
				SolarXPlus	0.5	0.85	0.073	0.79	YES	34*	-2	-6	no
	6b/18Ar/4/16Ar/b4	33U	Iso	light	0.5	0.85	0.033	0.69	YES	40*	-2	-6	no
				SolarXPlus	0.5	0.85	0.033	0.69	YES	40*	-2	-6	no
			Alu	light	0.5	0.85	0.073	0.79	YES	40*	-2	-6	no
				SolarXPlus	0.5	0.85	0.073	0.79	YES	40*	-2	-6	no
	4b/16Ar/4/15Ar/ b44.2(VSG-S)	34N	Iso	light	0.6	0.85	0.033	0.76	YES	42*	-3	-8	no
				SolarXPlus	0.6	0.85	0.033	0.76	YES	42*	-3	-8	no
			Alu	light	0.6	0.85	0.073	0.86	YES	42*	-3	-8	no
				SolarXPlus	0.6	0.85	0.073	0.86	YES	42*	-3	-8	no
	6b/18Ar/5/18Ar/ b44.2(VSG-S)	3NT	Iso	light	0.5	0.85	0.033	0.69	YES	43*			no
				SolarXPlus	0.5	0.85	0.033	0.69	YES	43*			no
			Alu	light	0.5	0.85	0.073	0.79	YES	43*			no
				SolarXPlus	0.5	0.85	0.073	0.79	YES	43*			no
	8b/16Ar/5/18Ar/ b44.2(VSG-S)	3NU	Iso	light	0.5	0.85	0.033	0.69	YES	44*			no
				SolarXPlus	0.5	0.85	0.033	0.69	YES	44*			no
			Alu	light	0.5	0.85	0.073	0.79	YES	44*			no
				SolarXPlus	0.5	0.85	0.073	0.79	YES	44*			no
	44b.2(VSG-S)/15Ar/ 4/12Ar/ b44.2(VSG-S)	3FH	Iso	light	0.7	0.85	0.033	0.83	YES	45*	-1	-5	no
				SolarXPlus	0.7	0.85	0.033	0.83	YES	45*	-1	-5	no
			Alu	light	0.7	0.85	0.073	0.93	YES	45*	-1	-5	no
				SolarXPlus	0.7	0.85	0.073	0.93	YES	45*	-1	-5	no

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