



home pure KF 410

UPVC &
UPVC/ALUMINIUM WINDOW

TECHNICAL DATA:

Design Modern, square-edged exterior and interior design
Can be perfectly combined with timber/aluminium windows due to same outside appearance

Thermal insulation Thermal insulation with standard triple glazing and highly thermally insulating edge seal
($U_g = 0.5 \text{ W/m}^2\text{K}$) $U_w = 0.72 \text{ W/m}^2\text{K}$

For best energy efficiency SOLAR+ glazing ($U_g = 0.6 \text{ W/m}^2\text{K}$; g value 62 %) $U_w = 0.79 \text{ W/m}^2\text{K}$

Sound insulation Soundproofing up to 45 dB (with corresponding glazing)

System description 90/93 mm construction depth

FIX-O-ROUND Technology
Fully concealed standard hardware
Standard security
Triple gasket system

5 chamber system with highly heat insulating thermal foam (HCFC, HFC and FC free)

Upon request with I-tec ventilation

I-tec

I-tec Glazing

FIX-O-ROUND Technology

I-tec Ventilation



Passive house certified in the standard version



UPVC VERSION

Alongside the aluminium clad version in all colours, the classical white UPVC version is also available.



I-TEC GLAZING FIX-O-ROUND TECHNOLOGY

Continuous all around fixing of the glass pane for better stability, thermal and sound insulation, burglary protection and functioning security.

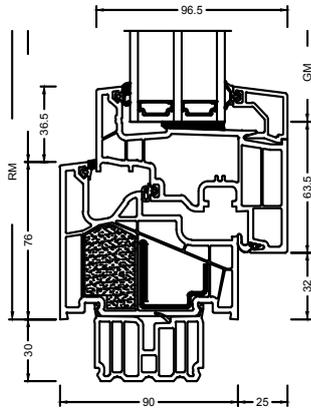


I-TEC VENTILATION

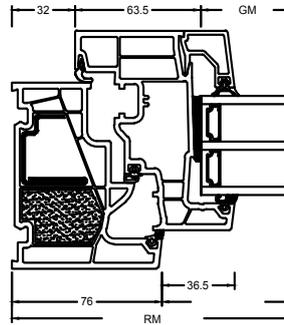
Individual control of fresh air for every room: without big heat losses, without pollen pollution, without outside noise and with increased security.

Sectional drawings

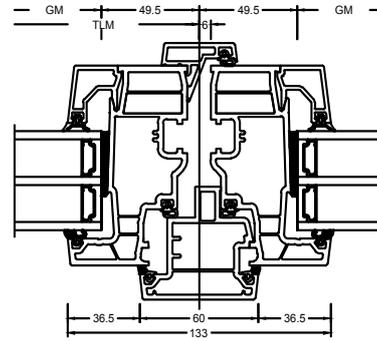
Vertical section



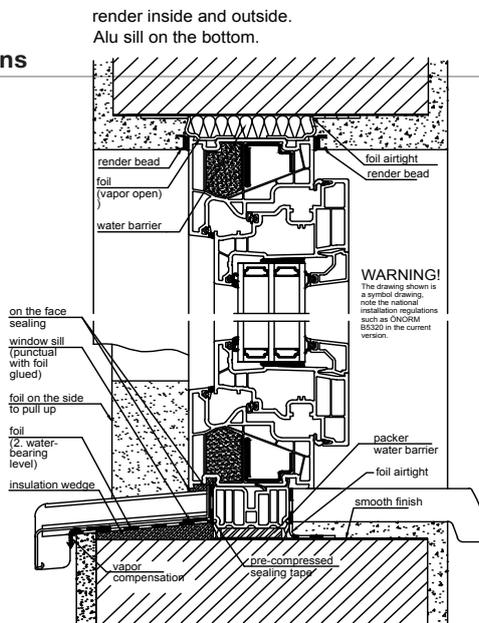
Horizontal section



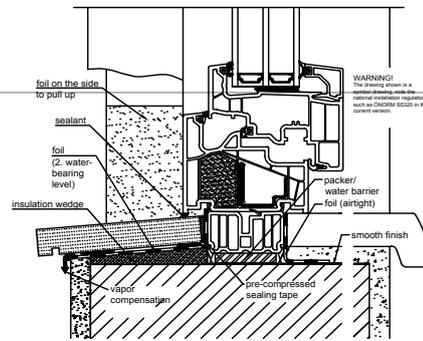
Flying mullion section



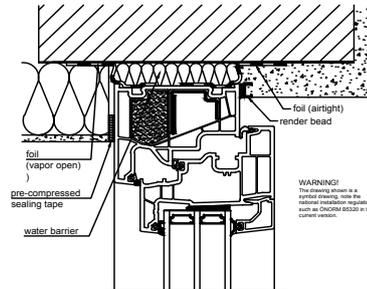
Construction connections



building connection with stone-window sill.

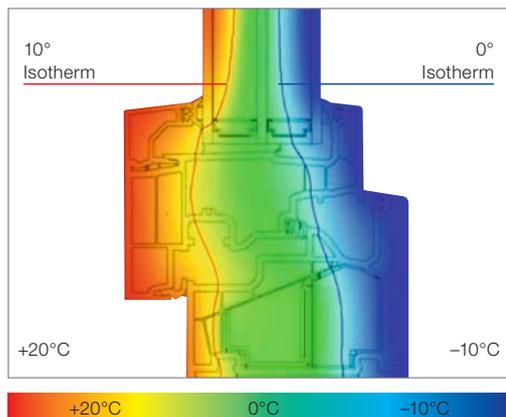


Upper connection with thermal insulation.



ATTENTION! The depicted drawing is symbolical only, please observe national fitting instructions 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 ($U_g = 0.5 \text{ W/m}^2\text{K}$) achieves a U_w value of $0.72 \text{ W/m}^2\text{K}$ (with ISO spacer).

5 chamber UPVC profile with highly heat insulating thermal foam (HCFC, HFC and FC free) and sendzimir-galvanised reinforcement iron in frame.

- Inside: available in white or decor colour dark grey
- Outside: available with aluminium clad in all RAL colours as well as attractive timber decor, metallic decor, HF, HFM 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 and centre gasket) in light grey
- Stopper gaskets in frame with UPVC version light grey, with UPVC/aluminium version – choice of light grey or black
- Frame and post connections are welded
- Glazing thickness: 48 and 56 mm
- Fitting versions: wall cramp, rawl plug or screw fitting



Values

| System | Glass construction | Glass code | Spacer | Coating | Ug | Uf | Psi | Σ | Thermal certificate | Rw | C | Cb | Sound certificate |
|--------|--|------------|--------|---------|-----|------|-------|------|---------------------|----|----|----|-------------------|
| KF410 | 4b/18Ar/4/18Ar/b4 | 3N2 | Iso | light | 0.5 | 0.96 | 0.033 | 0.72 | yes | 34 | -2 | -6 | yes |
| | | | | solar+ | 0.6 | 0.96 | 0.033 | 0.79 | yes | 34 | -2 | -6 | yes |
| | | | Alu | light | 0.5 | 0.96 | 0.073 | 0.82 | yes | 34 | -2 | -6 | yes |
| | | | | solar+ | 0.6 | 0.96 | 0.073 | 0.89 | yes | 34 | -2 | -6 | yes |
| | 6b/18Ar/4/16Ar/b4 | 33U | Iso | light | 0.5 | 0.96 | 0.033 | 0.72 | yes | 40 | -2 | -6 | yes |
| | | | | solar+ | 0.6 | 0.96 | 0.033 | 0.79 | yes | 40 | -2 | -6 | yes |
| | | | Alu | light | 0.5 | 0.96 | 0.073 | 0.82 | yes | 40 | -2 | -6 | yes |
| | | | | solar+ | 0.6 | 0.96 | 0.073 | 0.89 | yes | 40 | -2 | -6 | yes |
| | 4b/16Ar/4/15Ar/ b44.2(VSG-S) | 34N | Iso | light | 0.6 | 0.96 | 0.033 | 0.79 | yes | 42 | -3 | -8 | yes |
| | | | | solar+ | 0.7 | 0.96 | 0.033 | 0.86 | yes | 42 | -3 | -8 | yes |
| | | | Alu | light | 0.6 | 0.96 | 0.073 | 0.89 | yes | 42 | -3 | -8 | yes |
| | | | | solar+ | 0.7 | 0.96 | 0.073 | 0.96 | yes | 42 | -3 | -8 | yes |
| | 6b/18Ar/5/18Ar/ b44.2(VSG-S) | 3NT | Iso | light | 0.5 | 0.96 | 0.033 | 0.72 | yes | 43 | | | no |
| | | | | solar+ | 0.6 | 0.96 | 0.033 | 0.79 | yes | 43 | | | no |
| | | | Alu | light | 0.5 | 0.96 | 0.073 | 0.82 | yes | 43 | | | no |
| | | | | solar+ | 0.6 | 0.96 | 0.073 | 0.89 | yes | 43 | | | no |
| | 8b/16Ar/5/18Ar/ b44.2(VSG-S) | 3NU | Iso | light | 0.5 | 0.96 | 0.033 | 0.72 | yes | 44 | | | no |
| | | | | solar+ | 0.6 | 0.96 | 0.033 | 0.79 | yes | 44 | | | no |
| | | | Alu | light | 0.5 | 0.96 | 0.073 | 0.82 | yes | 44 | | | no |
| | | | | solar+ | 0.6 | 0.96 | 0.073 | 0.89 | yes | 44 | | | no |
| | 44b.2(VSG-S)/15Ar/ 4/12Ar/b44.2(VSG-S) | 3FH | Iso | light | 0.7 | 0.96 | 0.033 | 0.86 | yes | 45 | -1 | -5 | no |
| | | | | solar+ | 0.7 | 0.96 | 0.033 | 0.86 | yes | 45 | -1 | -5 | no |
| | | | Alu | light | 0.7 | 0.96 | 0.073 | 0.96 | yes | 45 | -1 | -5 | no |
| | | | | solar+ | 0.7 | 0.96 | 0.073 | 0.96 | yes | 45 | -1 | -5 | no |

| System | Glass construction | Glass code | Spacer | Coating | Ug | Uf | Psi | Σ | Thermal certificate | Rw | C | Cb | Sound certificate |
|-------------------------------|--|------------|--------|---------|-----|-----|-------|------|---------------------|----|----|----|-------------------|
| KF410 without foam inserts | 4b/18Ar/4/18Ar/b4 | 3N2 | Iso | light | 0.5 | 1.1 | 0.033 | 0.77 | yes | 34 | -2 | -6 | no |
| | | | | solar+ | 0.6 | 1.1 | 0.033 | 0.84 | yes | 34 | -2 | -6 | no |
| | | | Alu | light | 0.5 | 1.1 | 0.073 | 0.87 | yes | 34 | -2 | -6 | no |
| | | | | solar+ | 0.6 | 1.1 | 0.073 | 0.93 | 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 |
| | | | | solar+ | 0.6 | 1.1 | 0.033 | 0.84 | yes | 40 | -2 | -6 | no |
| | | | Alu | light | 0.5 | 1.1 | 0.073 | 0.87 | yes | 40 | -2 | -6 | no |
| | | | | solar+ | 0.6 | 1.1 | 0.073 | 0.93 | 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 |
| | | | | solar+ | 0.7 | 1.1 | 0.033 | 0.90 | yes | 42 | -3 | -8 | no |
| | | | Alu | light | 0.6 | 1.1 | 0.073 | 0.93 | yes | 42 | -3 | -8 | no |
| | | | | solar+ | 0.7 | 1.1 | 0.073 | 1.0 | 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 |
| | | | | solar+ | 0.6 | 1.1 | 0.033 | 0.84 | yes | 43 | | | no |
| | | | Alu | light | 0.5 | 1.1 | 0.073 | 0.87 | yes | 43 | | | no |
| | | | | solar+ | 0.6 | 1.1 | 0.073 | 0.93 | 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 |
| | | | | solar+ | 0.6 | 1.1 | 0.033 | 0.84 | yes | 44 | | | no |
| | | | Alu | light | 0.5 | 1.1 | 0.073 | 0.87 | yes | 44 | | | no |
| | | | | solar+ | 0.6 | 1.1 | 0.073 | 0.93 | 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 |
| | | | | solar+ | 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 |
| | | | | solar+ | 0.7 | 1.1 | 0.073 | 1.0 | yes | 45 | -1 | -5 | no |

| System | Glass construction | Glass code | Spacer | Coating | Ug | Uf | Psi | Σ | Thermal certificate | Rw | C | Cb | Sound certificate |
|--|--|------------|--------|---------|-----|------|-------|------|---------------------|----|----|----|-------------------|
| 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 |
| | | | | solar+ | 0.6 | 0.85 | 0.033 | 0.76 | yes | 34 | -2 | -6 | no |
| | | | Alu | light | 0.5 | 0.85 | 0.073 | 0.79 | yes | 34 | -2 | -6 | no |
| | | | | solar+ | 0.6 | 0.85 | 0.073 | 0.86 | 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 |
| | | | | solar+ | 0.6 | 0.85 | 0.033 | 0.76 | yes | 40 | -2 | -6 | no |
| | | | Alu | light | 0.5 | 0.85 | 0.073 | 0.79 | yes | 40 | -2 | -6 | no |
| | | | | solar+ | 0.6 | 0.85 | 0.073 | 0.86 | 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 |
| | | | | solar+ | 0.7 | 0.85 | 0.033 | 0.83 | yes | 42 | -3 | -8 | no |
| | | | Alu | light | 0.6 | 0.85 | 0.073 | 0.86 | yes | 42 | -3 | -8 | no |
| | | | | solar+ | 0.7 | 0.85 | 0.073 | 0.93 | 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 |
| | | | | solar+ | 0.6 | 0.85 | 0.033 | 0.76 | yes | 43 | | | no |
| | | | Alu | light | 0.5 | 0.85 | 0.073 | 0.79 | yes | 43 | | | no |
| | | | | solar+ | 0.6 | 0.85 | 0.073 | 0.86 | 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 |
| | | | | solar+ | 0.6 | 0.85 | 0.033 | 0.76 | yes | 44 | | | no |
| | | | Alu | light | 0.5 | 0.85 | 0.073 | 0.79 | yes | 44 | | | no |
| | | | | solar+ | 0.6 | 0.85 | 0.073 | 0.86 | 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 |
| | | | | solar+ | 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 |
| | | | | solar+ | 0.7 | 0.85 | 0.073 | 0.93 | yes | 45 | -1 | -5 | no |