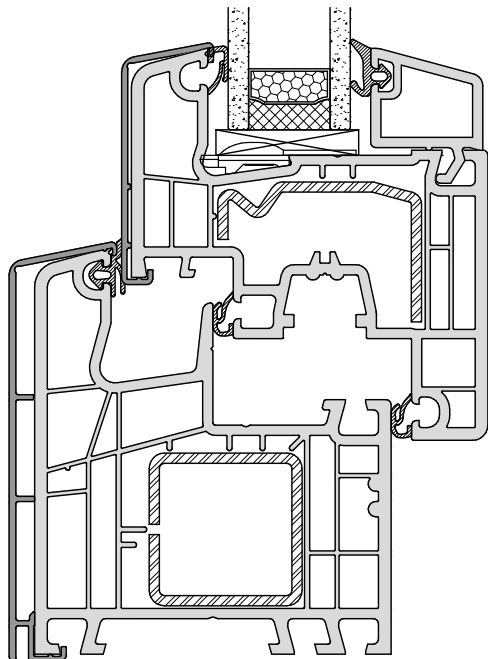




5 chamber system  
Installation depth 75 mm  
Casement depth 72 mm  
Recessed with aluminium cladding  
Centre sealing system



**Energy savings**

Energy savings when installing new windows		Explanation	
U <sub>w</sub> -value (old)	3.50 W/(m <sup>2</sup> K)	Heating degree days	4,050
U <sub>w</sub> -value (new)	0.87 W/(m <sup>2</sup> K)	Conversion factor from kilogrammes in litres of heating oil	1.19
Window surface area	30 m <sup>2</sup>	Conversion heating value Wh/kg	11,800
Annual savings on heating oil	1,031 L	Heating efficiency	0.75
Annual carbon dioxide reduction	2,784 kg		

**Security features**

- BASIC: Winkhaus activPilot with 2 security strike plates
- Optional: BASIC plus, IDEAL secure (RH2), RC2

**Sound insulation**

Window R<sub>wp</sub> up to 47 dB

**Glass thickness**

up to 41 mm

**Colour of fittings**

- White in powder coated (without caps)

**Colours**

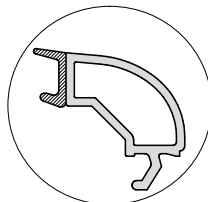
- PVC only available in white
- Aluminium facing according to aluminium colour range

**Available glazing strips:**

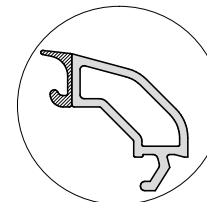
- Standard:  
classiline



- Optional:  
roundline



softline



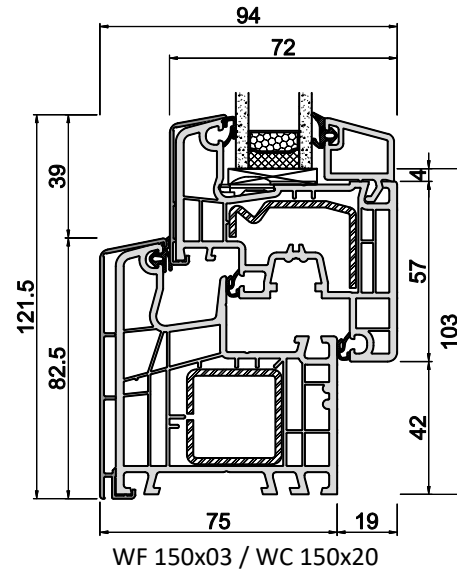
- SealsCentre sealing system
- 3 sealing levels
- Colours:
  - Interior: papyrus white
  - Outside: black

### System values

- Air permeability: Class 3 (according to EN 12207)
- Water tightness: Class 4A (according to EN 12208)
- Resistance to wind load: Class B3 (according to EN 12210)

Please note:

The classifications given here are minimum requirements.  
Please contact us if higher requirements are necessary.



### Fittings

#### BASIC:

- Winkhaus activPilot (3-dimensional adjustment)
- Integral fail-safe device
- Window casement lift
- Coated hinges (white or F9)
- 2 security strike plates
- Max. weight of casement 130 kg

#### Optional:

- activPilot Comfort PAD (parallel action fitting)
- Security levels: BASIC plus, IDEAL secure (RH2), RC2
- IDEAL SELECT (concealed corner and stay bearings)
- "Tilt first" (tilt then turn)
- High Control (magnetic contact for electronic lock monitoring)

### Thermal insulation

- Reference dimensions 1,230 x 1,480 mm
- $U_f = 1.2 \text{ W}/(\text{m}^2\text{K})$
- Minimum requirements acc. to the German Energy Saving Ordinance (EnEV) 2014  $U_w = 1.3 \text{ W}/(\text{m}^2\text{K})$

$U_g$ glass ( $\text{W}/\text{m}^2\text{K}$ ) EN 673	$U_w$ window ( $\text{W}/\text{m}^2\text{K}$ )		
	Insulated glazing edge compound		
	Aluminium	KSH/KSD	Swisspacer Ultimate
Double glazing	$\Psi = 0.066 \text{ (W/mK)}$	$\Psi = 0.041 \text{ (W/mK)}$	$\Psi = 0.032 \text{ (W/mK)}$
1.1	1.29	1.23	1.21
1.0	1.23	1.17	1.14
Triple glazing	$\Psi = 0.064 \text{ (W/mK)}$	$\Psi = 0.039 \text{ (W/mK)}$	$\Psi = 0.030 \text{ (W/mK)}$
0.8	1.09	1.02	1.00
0.7	1.02	0.96	0.94
0.6	0.95	0.89	0.87

- $U_w$ -values  $< 1.0 \text{ W}/(\text{m}^2\text{K})$  are shown with two decimal places in accordance with EN ISO 10077
- $U_w$ -values  $> 1.0 \text{ W}/(\text{m}^2\text{K})$  are shown with one decimal place in accordance with EN ISO 10077 and here – for information only – with two decimal places
- The specified  $\Psi$  values are taken from the data sheets of the working group "Warm Edge"

### Sound insulation

Reference dimensions 1,230 x 1,480 mm  
(components with test certificate)

$R_{w,\Delta}R_{WP} = \text{Test value window}$	$R_{WR} = \text{Calculated value window}$	$R_{WP} = \text{Test value glass}$	Test certificate No.
33 dB	31 dB	32 dB	010424.S22
38 dB	36 dB	36 dB	001127.P1
40 dB	38 dB	39 dB	001127.P3
42 dB	40 dB	42 dB	16129751/Z10 R1
45 dB	43 dB	45 dB	16129751/Z08 R1
47 dB	45 dB	48 dB	16129751/Z09 R1
In Germany the following applies acc. to DIN 4109:1989-11 (German standard for sound insulation in buildings; requirements and testing): $R_w$ equals $R_{WP}$ ; $R_{WR} = R_{WP} - 2\text{dB}$			