

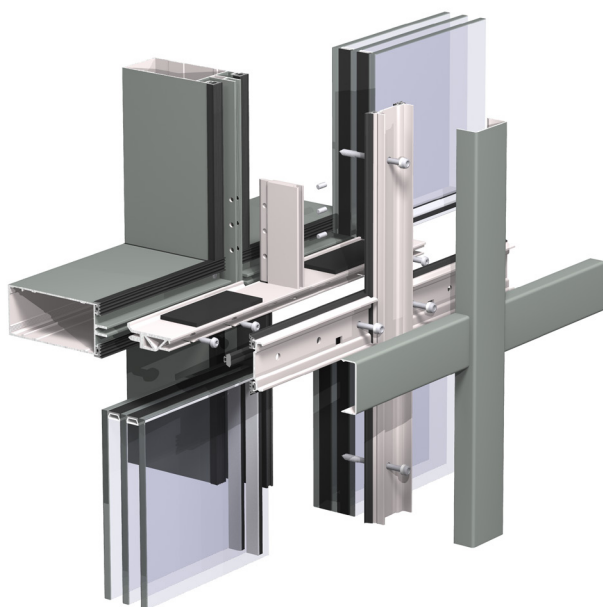
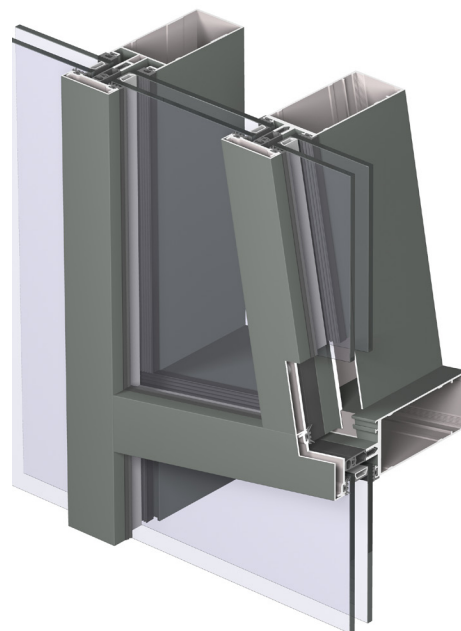
# ConceptWall 50

## Façades







### Unlimited creative freedom and maximum entrance of light

ConceptWall 50 is a curtain wall façade and roof system that offers incredible building speed, unlimited design freedom and exceptional performance. The stick façade's highly insulated variants achieve energy efficiency up to Passive House levels.

- Excellent thermal and AWW performance
- Broad range of applications and styles
- High weights and large spans



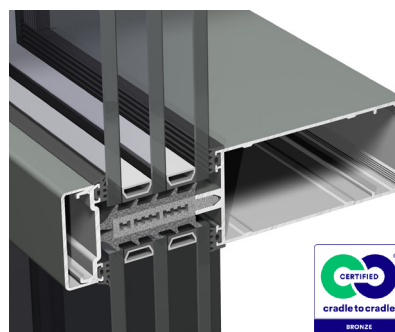
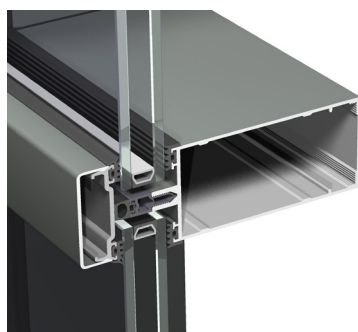
#### PERFORMANCE

	Thermal insulation (Uf)	Down to 0.56 W/m²K
	Acoustic performance (Rw (C; Ctr))	33 (-1; -3) dB / 60 (-2; -6) dB
	Air tightness	Up to 1950 Pa (class AE 1950)
	Wind load resistance	Up to 2400 Pa
	Water tightness	Up to 1950 Pa (class RE 1950)
	Burglar resistance	Up to RC 3 (NEN 5096 / ENV 1627)

Performances and properties depend on size, profile combinations, hardware and infill choices.



Reynaers  
Aluminium



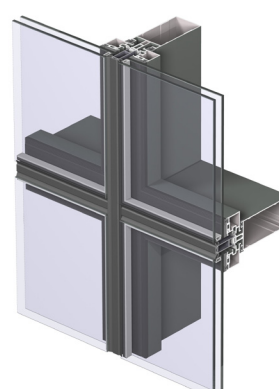
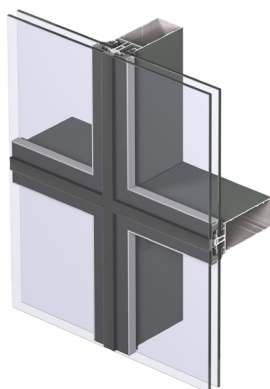
#### PROPERTIES

##### STANDARD

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	6 - 61 mm

##### HIGH INSULATION

Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	22 - 61 mm



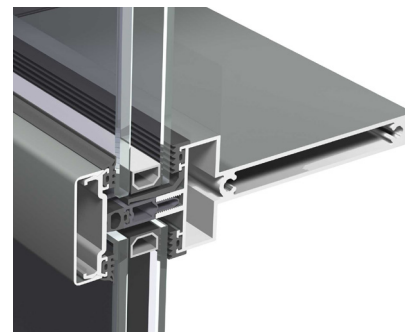
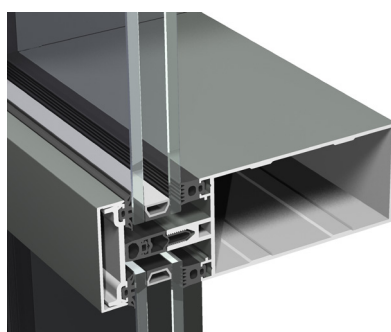
#### PROPERTIES

##### STRUCTURAL CLAMPED

Inside visible width	50 mm
Outside visible width	joint: 20 mm
Glass thickness	27 - 63 mm

##### STRUCTURAL GLAZED

Inside visible width	50 / 88 mm
Outside visible width	EPDM gasket (width 27 mm)
Glass thickness	24 - 36 mm



#### PROPERTIES

##### TRANSOM-TRANSOM

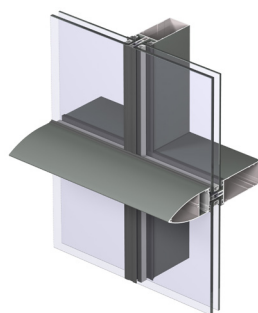
Inside visible width	50 mm
Outside visible width	50 mm
Glass thickness	6 - 64 mm

##### SLIMLINE

Inside visible width	15 / 50 mm
Outside visible width	50 mm
Glass thickness	6 - 61 mm



Reynaers  
Aluminium

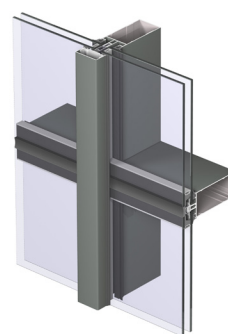


HORIZONTAL LINING

PROPERTIES

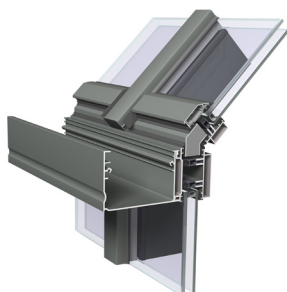
Inside visible width
Outside visible width
Glass thickness

50 mm
vertical: 30 mm joint horizontal: 50 mm
22 - 48 mm



VERTICAL LINING

50 mm
vertical: 50 mm horizontal: 20 mm joint
27 - 40 mm

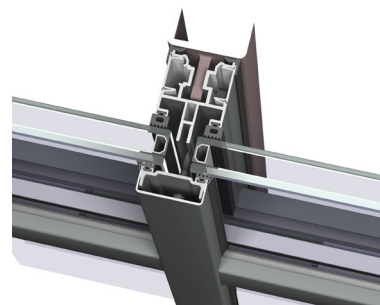


ROOF APPLICATION

PROPERTIES

Inside visible width
Outside visible width
Glass thickness

50 mm
50 mm
6 - 60 mm



ALU ON STEEL

50 mm
50 mm
6 - 61 mm

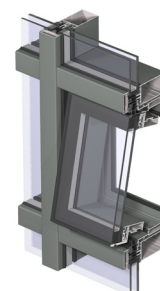


HIDDEN VENT  
(INWARD OPENING)

PROPERTIES

Inside visible width
Outside visible width
Glass thickness

23 / 80 mm
50 mm
opening window: 22 - 28 mm (opening window SC: 29 - 32 mm)



TOP HUNG & POW  
(OUTWARD OPENING)

15 / 108 mm (FUNCTIONAL & SG)
0 mm (SG) / 105 mm
24 - 62 mm

PERFORMANCE

Thermal insulation (Uf)
Air tightness
Wind load resistance
Water tightness

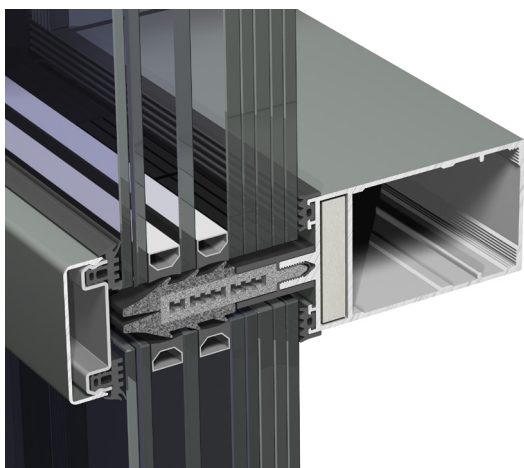
U <sub>tj</sub> down to 5.5 W/m <sup>2</sup> K
Up to 600 Pa (class 4)
Up to 1600 Pa (class C4)
Up to 1200 Pa (class E1200)

Down to 1.5 W/m <sup>2</sup> K
Up to 600 Pa (class 4)
Up to 2000 Pa (class C5)
Up to 2100 Pa (class E2100)

Performances and properties depend on size, profile combinations, hardware and infill choices.

# ConceptWall 50-FP

## Façades





### Optimal fire protection, maximum daylight admission and excellent thermal performance.

In case your project needs fire protection, the ConceptWall 50-FP variant can create strategically placed fireproof zones where needed. With a maximum glass thickness of 78 mm triple glazed panes, the system enables uniform and high thermal performance throughout the whole façade surface.

- EW30, EI30, EI60 fire resistance
- High weights and large spans
- Compatible with MasterLine 8-FP doors

PROPERTIES	FIREPROOF 30	FIREPROOF 60
Rebate height	20 mm	20 mm
Glass thickness	34 - 78 mm	34 - 78 mm
Glazing method	fixing by pressure plates	fixing by pressure plates

PERFORMANCE	FIREPROOF 30	FIREPROOF 60
European testing standards	EN 1364-1 / EN 1364-3	EN 1364-1 / EN 1364-3
Classification standard	EN 13501-2	EN 13501-2
 Thermal insulation (Uf)	0.8 W/m²K	0.8 W/m²K
 Fire resistance classification	EW30, EI30	EI60