



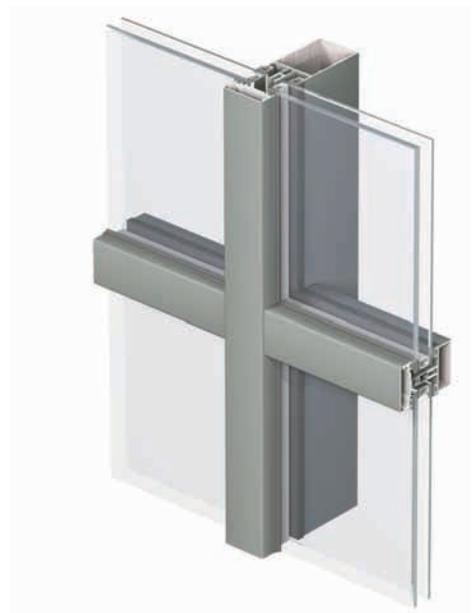
# CW50

maximum natural light



CW 50 is a curtain wall façade and roof system that offers unlimited creative freedom and allows maximum entrance of light into the building. The system offers 11 individual styles with various outside appearances.

Any combination of vertical and inclined planes are possible together with the integration of different types of vents. The extensive range offers technical solutions for the different performance requirements of a façade such as fireproof and high insulating solutions.



## PERFORMANCES

ENERGY						
	Thermal insulation (1) EN 13947	Uw-value down to 0.8 W/m²K, depending on the profile combination				
COMFORT						
	Acoustic performance (2) EN ISO 140-3; EN ISO 717-1	Rw (C; Ctr) = 34 (-1; -4) dB / 55 (-2; -7) dB, depending on glazing or panel type				
	Air tightness (3) EN 12153, EN 12152	A4				
	Water tightness (4) EN 12155, EN 12154	R4 150	R5 300	R6 450	R7 600	RE 900
	Wind load resistance, max. test pressure (5) EN 12179, EN 13116	2000 Pa				
	Resistance against impact EN 14019	I5 / E5				

This table shows possible classes and values of performances. The values indicated in *orange* are the ones relevant to this system.

- (1) The Uw-value measures the heat flow. The lower the Uw-value, the better the thermal insulation of the frame.
- (2) The sound reduction index (Rw) measures the capacity of the sound reduction performance of the frame.
- (3) The air tightness test measures the volume of air that would pass through a closed window at a certain air pressure.
- (4) The water tightness testing involves applying a uniform water spray at increasing air pressure until water penetrates the window.
- (5) The wind load resistance is a measure of the profile's structural strength and is tested by applying increasing levels of air pressure to simulate the wind force. There are up to five levels of wind resistance (1 to 5) and three deflection classes (A, B, C). The higher the number the better the performance.
- (6) The burglar resistance is tested by statistical and dynamic loads, as well as by simulated attempts to break in using specified tools.

