

USG 80 K/V/S UNITISED FACADE SYSTEM

USG 80 is an innovative facade system, which is especially preferred on high-rise buildings. This system is completely fabricated in plant and installed in a shorter time without scaffold.

With high performance features, USG 80 unitized facade system is customized & designed on the project basis. In this system, all the fabrication, including the glass, made in plant with high quality labor. The installation is made by hanging the panel systems one by one on to the facade without scaffold. 3 tiered gasket structure between the modules, provides tolerance gap on seismic moves and also high performance features.

Structural Glazing & Two Side & With Cap alternatives in standard curtain wall systems are also available in unitized facade systems. All kinds of sash openings, such as; parallel and standard sash openings, reverse vasistas openings are available in unitized facade system.



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TECHNICAL SPECIFICATIONS

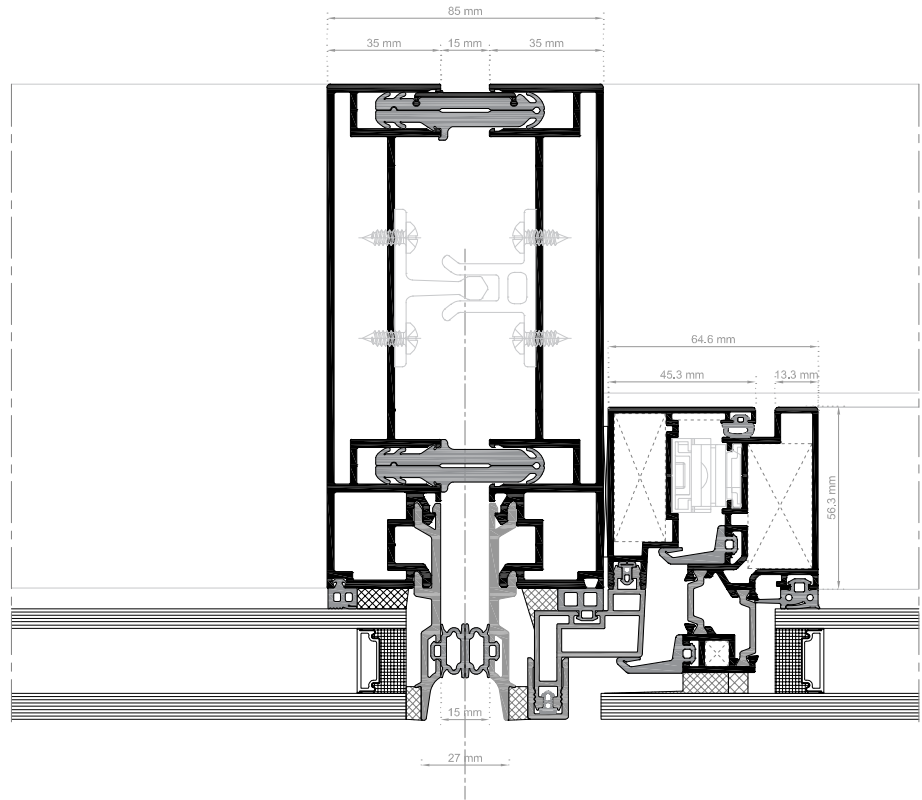
System Visible Width: 80 mm

System Depth: 85 – 155 mm

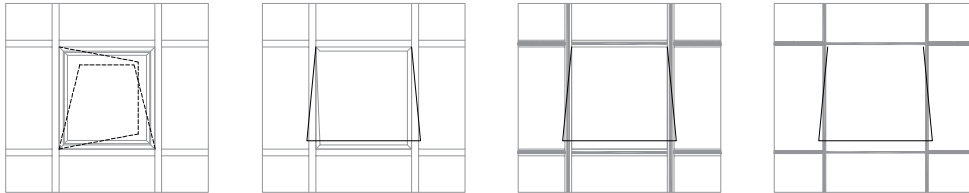
Glass Thickness: between 6 mm and 34 mm

PERFORMANCE FEATURES

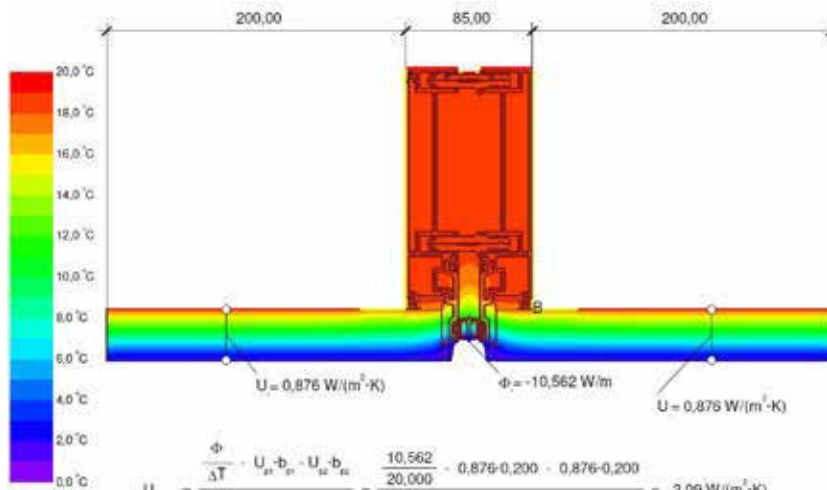
Air Permeability A4 - 600 Pa / En12152
 Water Tightness RE1500 - 1500Pa / En12154
 Resistance to Wind Load 2400 Pa / En13116
 Thermal Insulation $U_{cw} < 1.6 \text{ W/m}^2\text{K}$



OPENING TYPES



----- inward opening
 ----- outward opening



Material	λ [W/(m·K)]	ϵ	Boundary Condition	q [W/m²]	t_f [°C]	R [(m²·K)/W]	ϵ
Aluminium (Si alloys)	160,000	0,900	Epilox 0,9				0,500
EPDM (ethylene propylene diene monomer)	0,250	0,900	Exterior, frame	0,000	0,040		
PVC (polyvinylchloride), rigid	0,170	0,900	Interior, frame, normal	20,000	0,100		
Panel	0,025	0,900	Interior, frame, reduced	20,000	0,200		
Silicone, pure (2)	0,350	0,900	Symmetry/Model section	0,000			
Unventilated air cavity	anisotropic						