

# Alumil

## SMARTIA M65



### CURTAIN WALL INSULATED SYSTEM

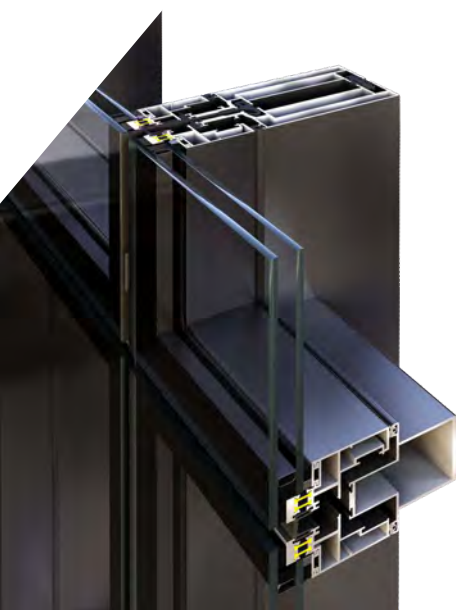
SMARTIA M65 is a unitized curtain wall system ideal for high-rise buildings, which provides freedom in architectural design. The construction of the building's envelope is done by assembling big panels consisted of many glass frames, either structural or with visible aluminium covers. Every unit can be freely designed by the architect, whilst the system guarantees easy and secure application.

- 65mm basic system width
- Easy replacement of broken glasses
- Various hinged window types can be applied: parallel projected, top hung, all Tilt & Turn windows of SMARTIA systems
- Certified system performance by the IFT Rosenheim & AAMA institutes

### Exterior aesthetics

Visible aluminium frame: 28,5 mm

Distance between frames: 8 mm

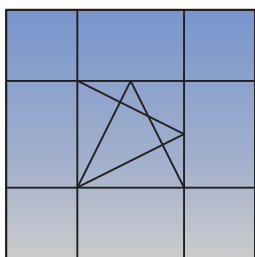




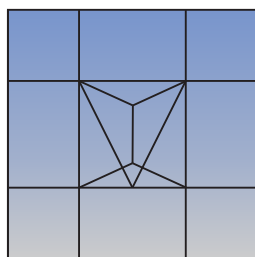
### TECHNICAL CHARACTERISTICS

Exterior visible width	65 mm
Mullion depth	176 mm
Transom depth	176 mm
Glazing	Unitized type with EPDM gaskets
Glass thickness	32 mm
Mullions max inertia	$I_x=320 \quad I_y=9 \text{ cm}^4$
Transoms max inertia	$I_x=485 \quad I_y=80 \text{ cm}^4$
Max dimensions WxH	1500 x 3750 cm

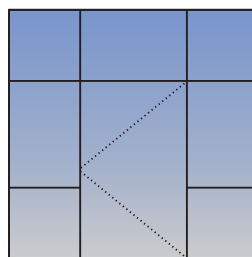
### TYOLOGIES



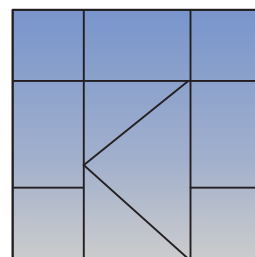
Tilt and turn vent window  
Tilt and turn vent conceal window



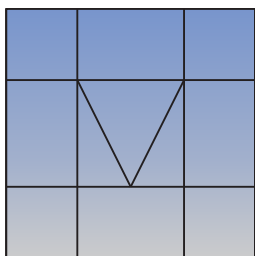
Parallel and projected  
outward window



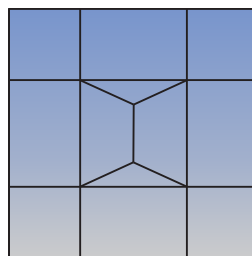
Hinged opening  
outward door



Hinged opening  
inward door



Projected  
outward window



Parallel projected  
outward window

### CERTIFICATES

	Air permeability EN 12152	CLASS AE
	Watertightness EN 12154	CLASS RE 1200
	Resistance to wind load EN 13116	$\pm 3,0 \text{ KN/m}^2$
	Thermal Insulation EN 12412-2	$U_f = 2,8 - 3,7 \text{ W/m}^2\text{K}$

