

## SMART SLIDE SLIDING SYSTEM

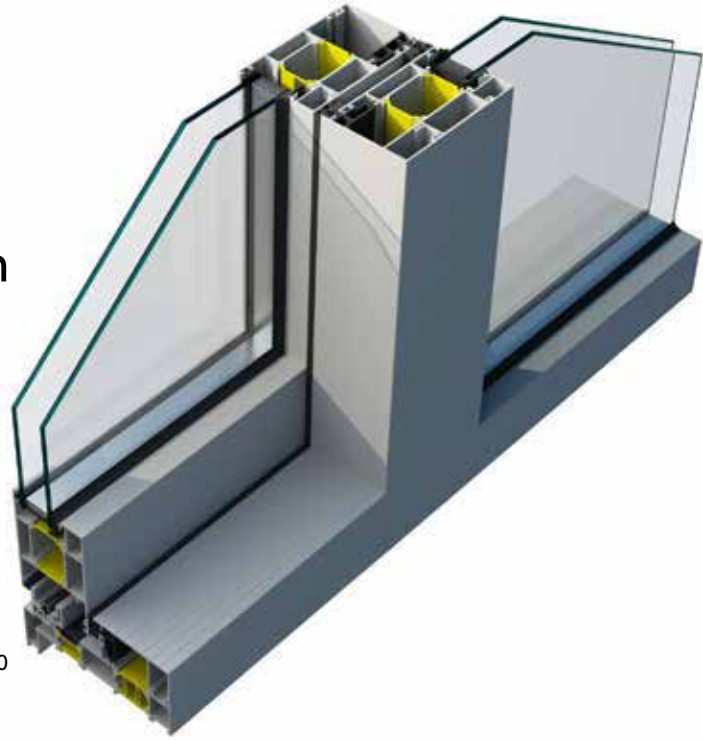
This system gathers the advantage of area saving specialty of a sliding system and high performance specialty of a window.

With the high performance on air permeability, water tightness, resistance to wind load of the Smart Slide system, even on high-rise buildings this sliding system can easily be used.

The structure of the system with EPDM gaskets, provides high thermal performance features on air permeability, water tightness and resistance to wind load.

Smart Slide has the best water tightness test result, with E1500/ 1500 Pa, on the tests made in - accredited test laboratories within European Norms. The system enables multiple locking.

It has a profile wall thickness between 1.8 mm and 2.0 mm, the system allows glass usage up to 32 mm thickness. The system has 155 mm frame depth and 72.8 mm sash depth.



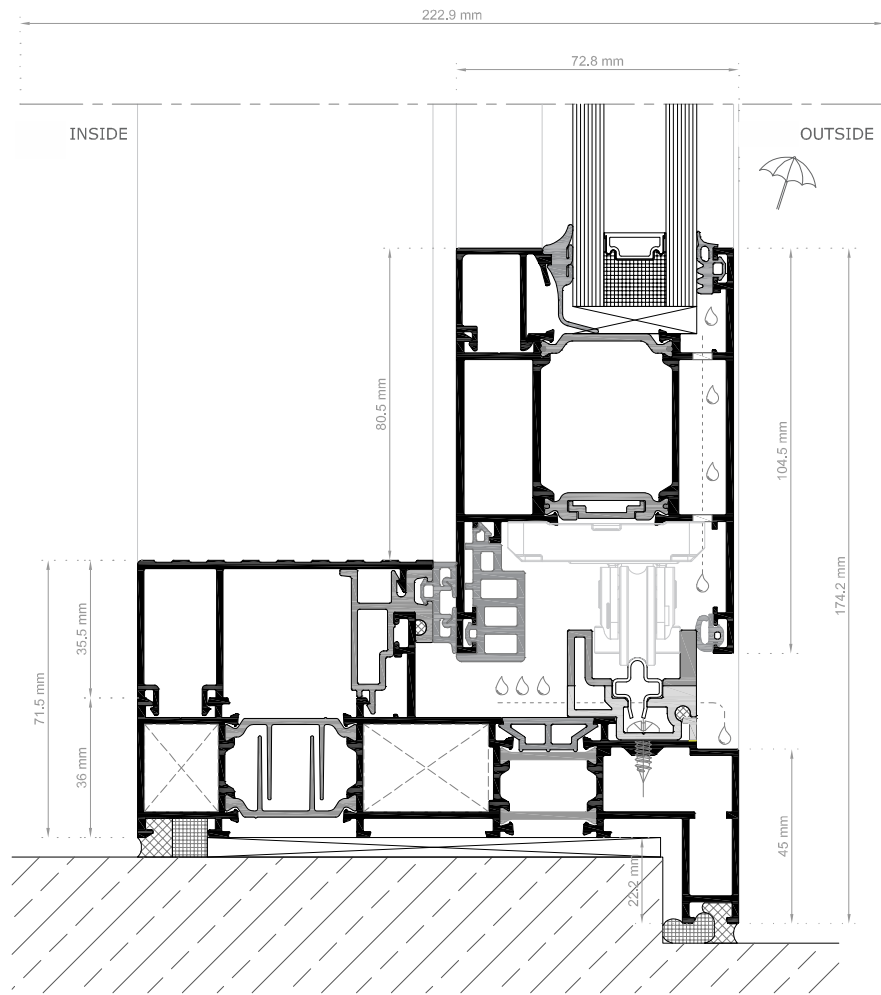
# SMART SLIDE SLIDING SYSTEM

## TECHNICAL SPECIFICATIONS

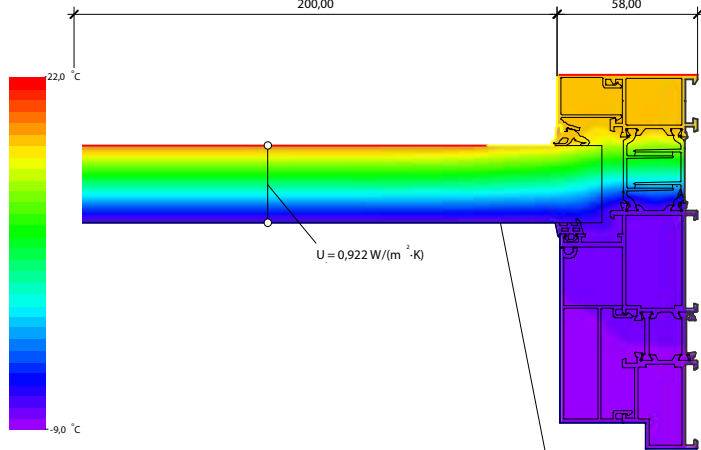
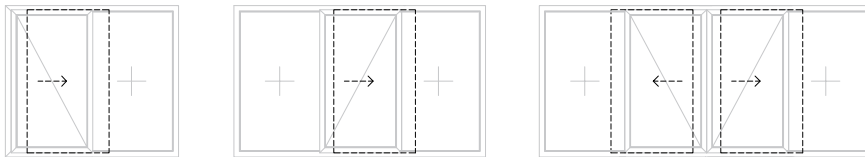
- Frame Depth: 155 mm
- Sash Depth: 72.8 mm
- Frame Height: 71.5 mm
- Sash Height: 104.5 mm
- Frame-Sash Height: 152 mm
- Interlock Profile Visible Width: 117.5 mm
- Glass Thickness: 32 mm

## PERFORMANCE FEATURES

- Air Permeability: A4 - 600 Pa / EN 12207
- Water Tightness: E1500 - 1500 Pa / EN 12208
- Resistance to Wind Load: C5-B5 - 2000 Pa / EN 12210



## SMART SLIDING



Material	$\lambda [\text{W/(m}\cdot\text{K)}]$
Aluminium (Si alloys)	160,000
EPDM (ethylene propylene diene monomer)	0,250
Panel	0,035
Polyamide 6.6 with 25% glass fibre	0,300
Slightly ventilated air cavity	Eps=0,9/0,9
Unventilated air cavity	Eps=0,9/0,9

Boundary Condition	$q [\text{W/m}^2]$	$\dot{q} [\text{C}]$	$R [(m^2\cdot\text{K})/\text{W}]$	$\alpha$
Exterior, frame	-9,000	0,040		
Interior, frame, normal	22,000	0,130		
Interior, frame, reduced	22,000	0,200		
Symmetry/Model section	0,000			

$$U_{sa} = \frac{\dot{q}}{b_i \cdot T} = \frac{U_p \cdot b_p}{b_i} = \frac{9,078}{31,000} = 0,2927 \cdot 0,200 = 1,869 \text{ W/(m}^2\cdot\text{K)}$$