INFINITY VIEW

Texas
Aluminum
Systems

TOGETHER FOR BETTER

TEXAS ALUMINUM SYSTEMS

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INFINITY VIEW

Product performances TAS 147 – 179 standard

AWW

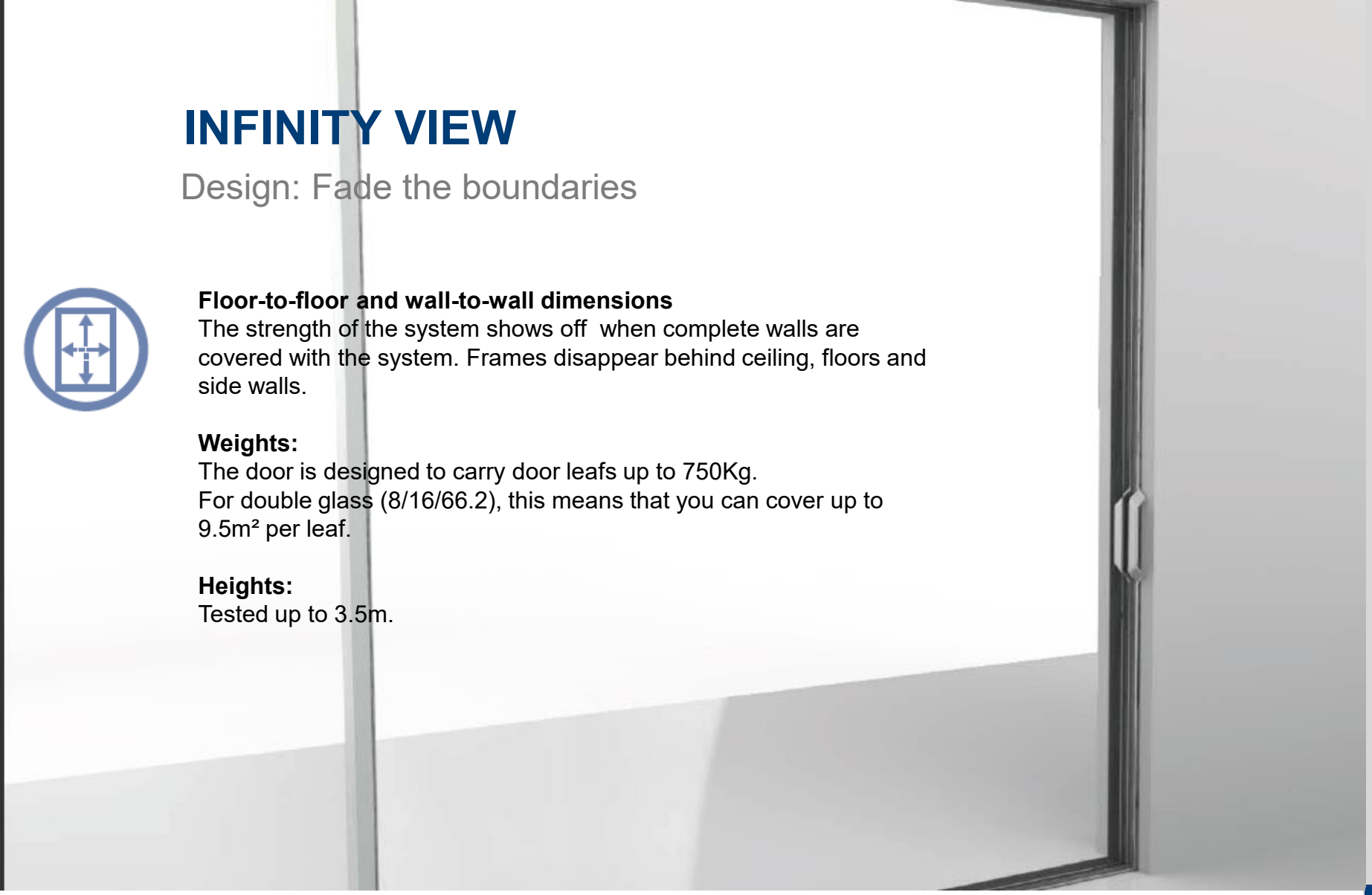
Standards	Type of test	Class of Declared value									
EN 12211 EN 12210	**Resistance to wind load** *Test pressure p1 (Pa)*	npd	1 *(400)*	2 *(800)*	3 *(1200)*	4 *(1600)*	5 *(2000)*	Exxx *(>2000)*			
EN 12211 EN 12210	**Resistance to wind load** *Frame deflection*	npd	A *(≤1/150)*		B *(≤1/200)*		C (≤1/300)				
EN 1027 EN 12208	**Watertightness – non shielded (A)** *Testpressure (Pa)*	npd	1A *(0)*	2A *(50)*	3A *(100)*	4A *(150)*	5A *(200)*	6A *(250)*	7A *(300)*	8A (450)	9A (600)	Exxx (>600)
EN 1026 EN 12207	**Air permeability** *Max. test pressure* *Ref. air permeability at 100Pa (m³/hm² of m³/hm)*	npd	1 *(150)* *(50 or 12.50)*		2 *(300)* *(27 of 6.75)*		3 *(600)* *(9 or 2.25)*		4 *(600)* *(3 or 0.75)*			

Remarks
The tested element is BxH: 5m x 3.5m and the moving pane weighs about 750 kg
The opening forced for this big , heavy glass is ca 130N, closing force is 115N. Force to keep movement going; is ca 65N.


INFINITY VIEW
DESIGN
Minimal frame, maximal glas

INFINITY VIEW

Design: Fade the boundaries



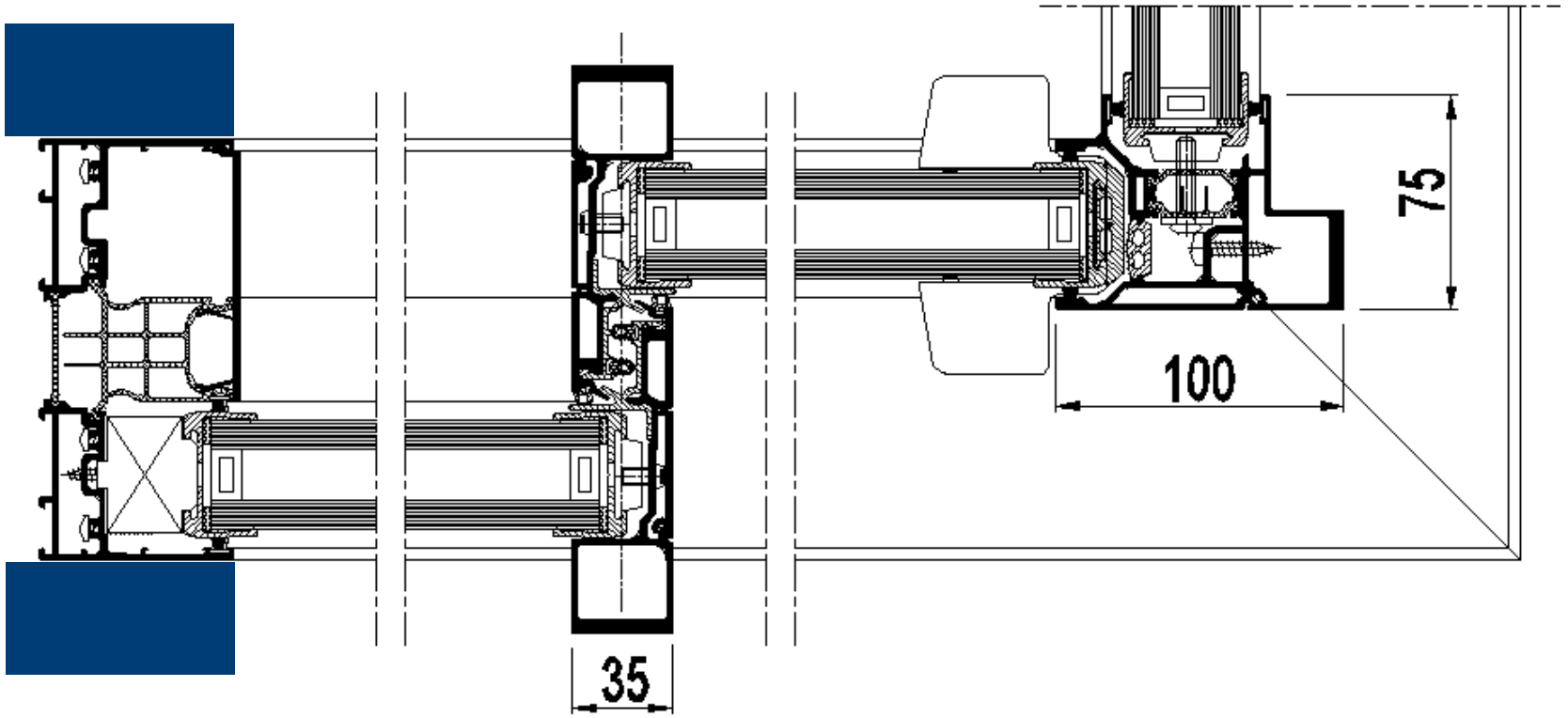
Floor-to-floor and wall-to-wall dimensions
The strength of the system shows off when complete walls are covered with the system. Frames disappear behind ceiling, floors and side walls.

Weights:
The door is designed to carry door leafs up to 750Kg.
For double glass (8/16/66.2), this means that you can cover up to 9.5m² per leaf.

Heights:
Tested up to 3.5m.

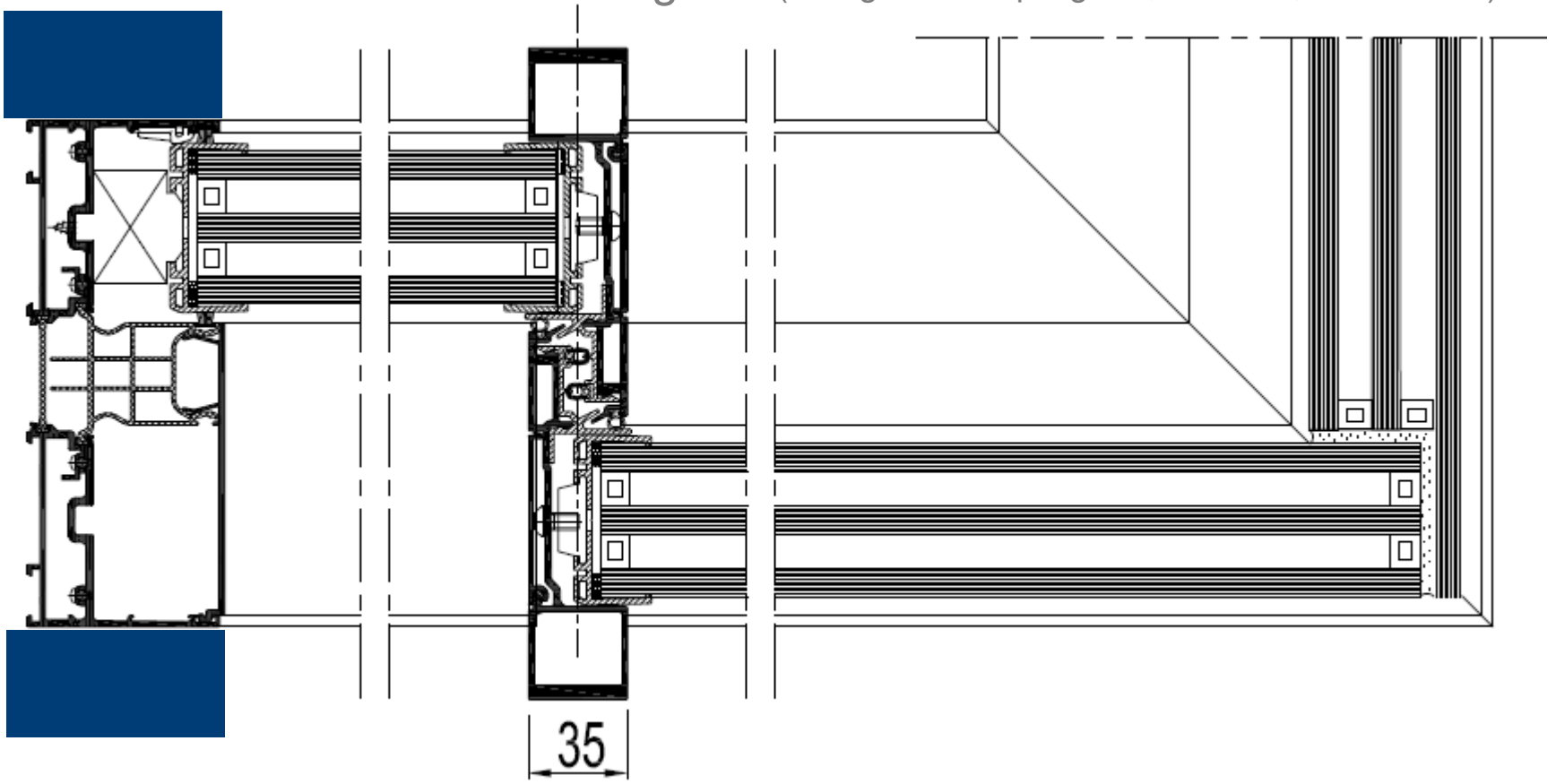
INFINITY VIEW

Minimal frame maximal glass (configuration double glass, TAS 147, open corner)



INFINITY VIEW

Minimal frame maximal glass (configuration triple glass, TAS 179, fixed corner)



DESIGN

Integrated design in all details


COMFORT
Thermally optimized

INFINITY VIEW

Maximize comfort: Warm, Thermal performance

U-values

		CP130 HI	CP155 HI	CP155 Minergie	HFP 147	HFP 179
glass thickness		24 mm	24 mm	43 mm	double	triple
section 1	side	2.50	2.40	1.90	2.00	2.00
section 2	chicane	4.40	3.40	2.90	5.80	5.50
section 3	side	3.00	2.80	1.40	2.20	2.20
section 11	top	2.50	2.80	2.40	2.00	2.00
section 12	top	3.00	3.00	1.10	2.20	2.20
section 13	bottom	2.60	2.40	2.00	2.00	2.00
section 14	bottom	3.00	2.90	1.10	2.10	2.20

Minergie:
Ud for a sliding door of 4.5x2.3m with Ug 0.7 W/m²K and Psi of 0.07
•Infinity View triple glass <1.0 W/m²K

Ud for a sliding door of 4.6x3m with Ug 1.1 W/m²K and Psi of 0.08
•Ifinity View double glass = 1.3 W/m²K
•CP155 minergie = 1.3 W/m²K
•CP155 HI = 1.5 W/m²K
•CP130 HI = 2.1 W/m²K

COMFORT

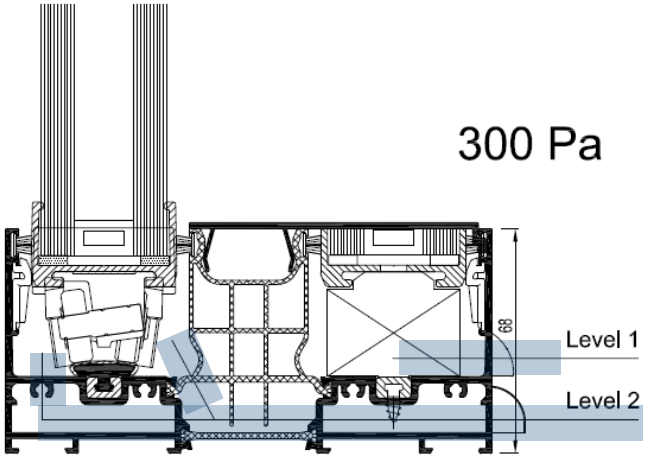
Extensively tested for air,
wind and water tightness

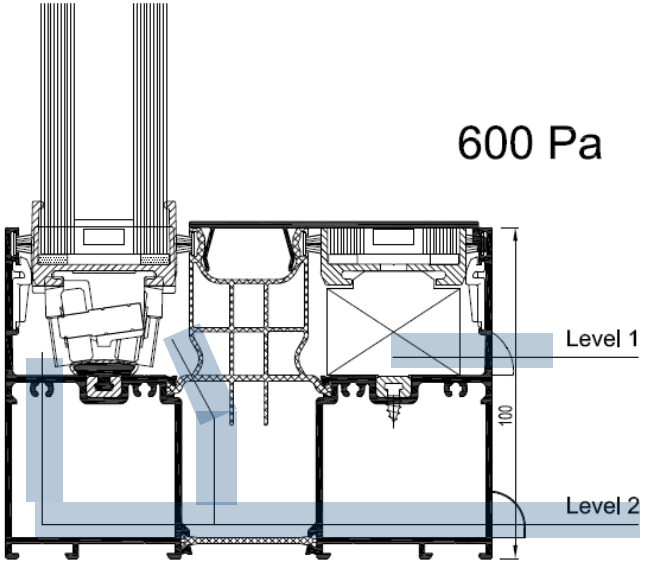
INFINITY VIEW

Maximize comfort:
Water tight performance

Drainage:
Low bottom – 300 Pa
High bottom – 600 Pa

Building connections:
We will propose the anchors and specific gutter solution for a solid connection.
The Infinity view sliding door should be combined with a floating teras or a gutter solution on the outside to drain the water.





COMFORT

Standard double glass
Tested for burglary protection

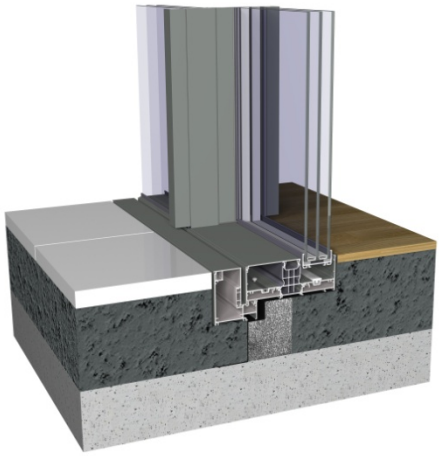
Fabricators witness:
‘This is by far the easiest to build and install sliding system’

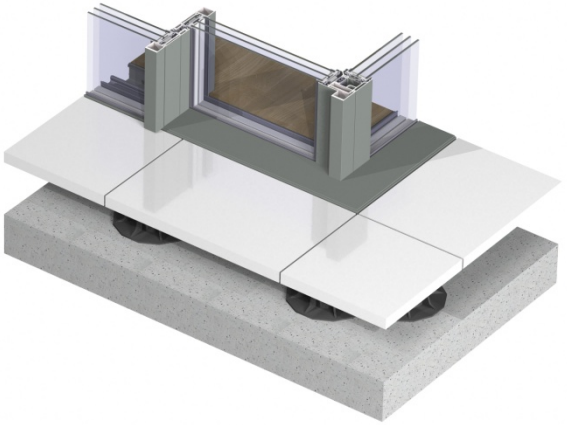
SMART INSTALLATION

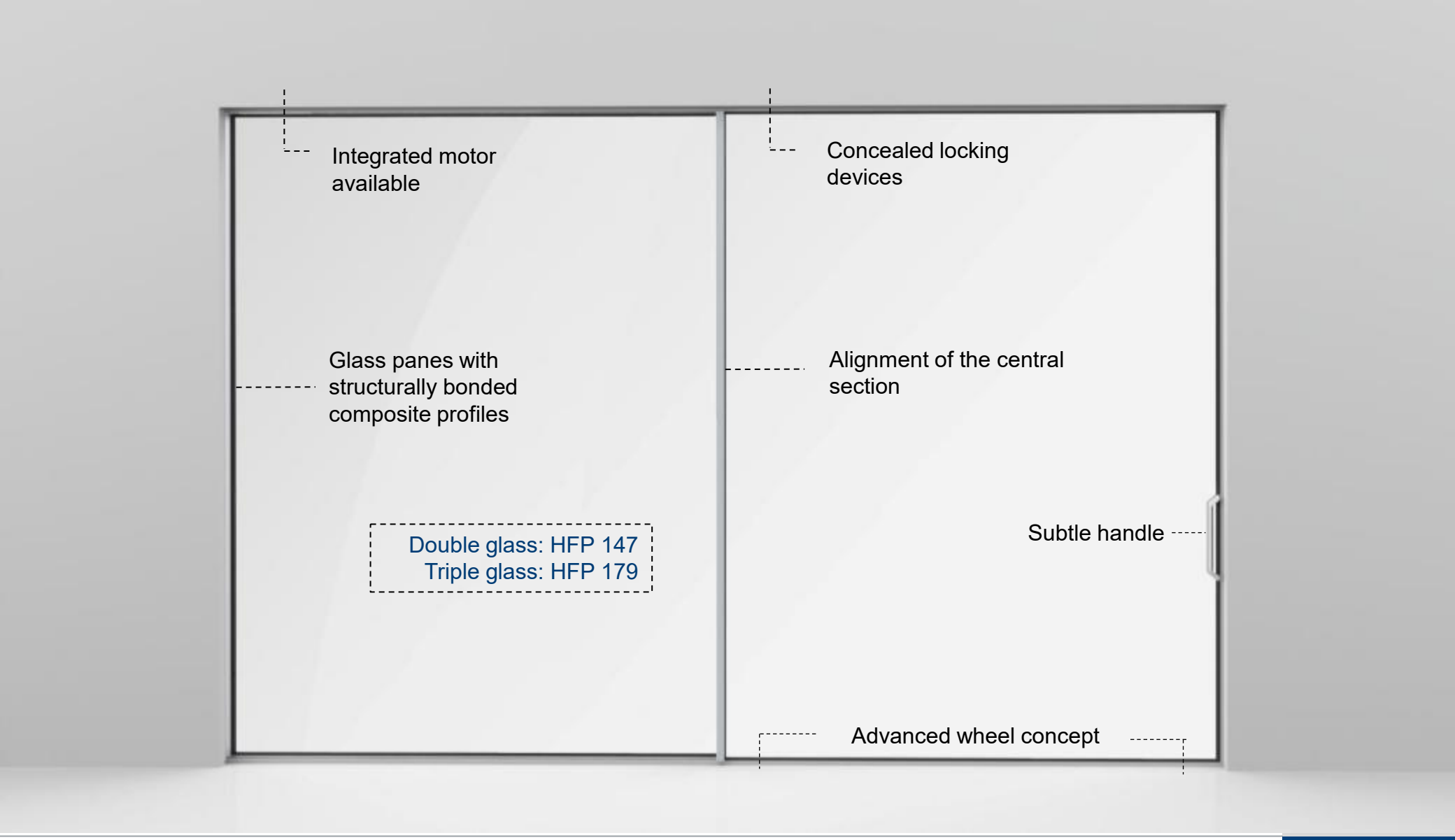
Multiple ways to fine tune during installation for a precise and quick installation

INFINITY VIEW

TECHNICAL INNOVATIONS






Integrated motor available
Concealed locking devices
Glass panes with structurally bonded composite profiles
Alignment of the central section
Double glass: HFP 147
Triple glass: HFP 179
Subtle handle
Advanced wheel concept


Glass panes with
structurally bonded
composite profiles

GLASS PANES WITH STRUCTURALLY BONDED COMPOSIT PROFILES

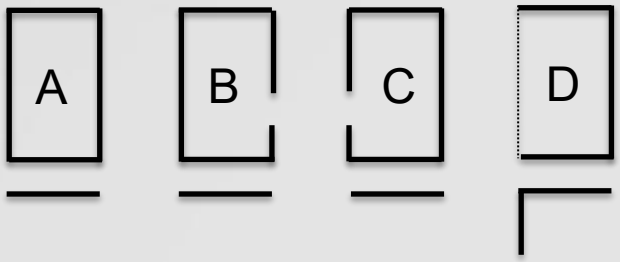
The strength of the vent is retrieved directly from the stiffness of the glass pane. A composite profile is bonded structurally to the glass edge, this enables hardware to be mounted almost directly on the glass.

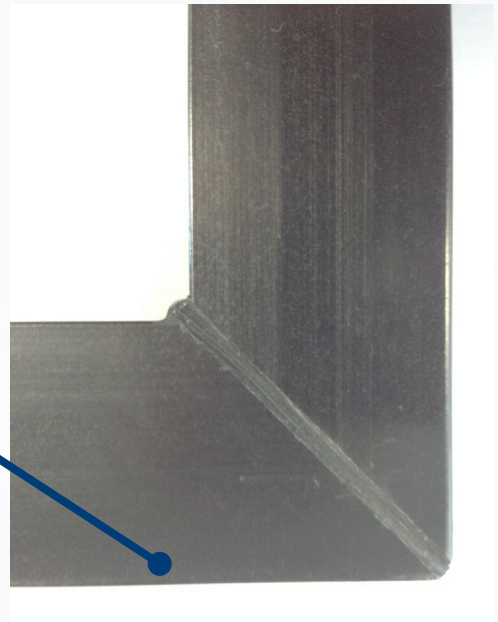
GLASS PANES WITH STRUCTURALLY BONDED COMPOSIT PROFILES

The bonding is tested in most extreme conditions.

GLASS PANES WITH STRUCTURALLY BONDED COMPOSIT PROFILES

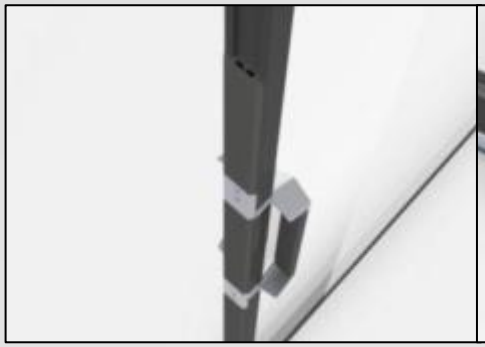
New method for an optimized finishing:
-45° angle in the corners
-Uninterrupted profile in case no handle is used





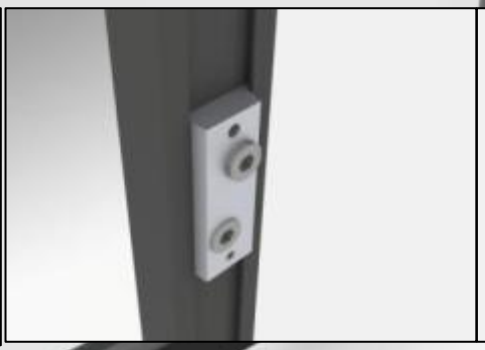
GLASS PANES WITH STRUCTURALLY BONDED COMPOSIT PROFILES

The hardware is mounted in the detail of the composite profile.



Handle

Wheel carraiges



Adjusting mechanism

Locking devices


Subtle handle

SUBTLE HANDLE

De handle is designed to merge with the **slim line** of the frame. In closed position, the design of the handle matches perfectly the wall.

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SUBTLE HANDLE

2 identical pieces are connected to each other
and together, they make a inner-and outer handle.

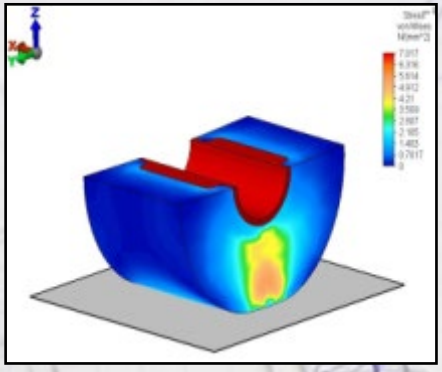
SUBTLE HANDLE

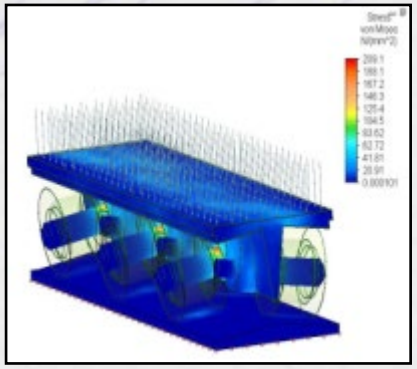
The contact area is worked-out in a **soft grip-**material


Advanced wheel concept

ADVANCED WHEEL CARRIAGES FOR HEAVY LOADS

Compact design for minimal visible edges





ADVANCED WHEEL CARRIAGES FOR HEAVY LOADS

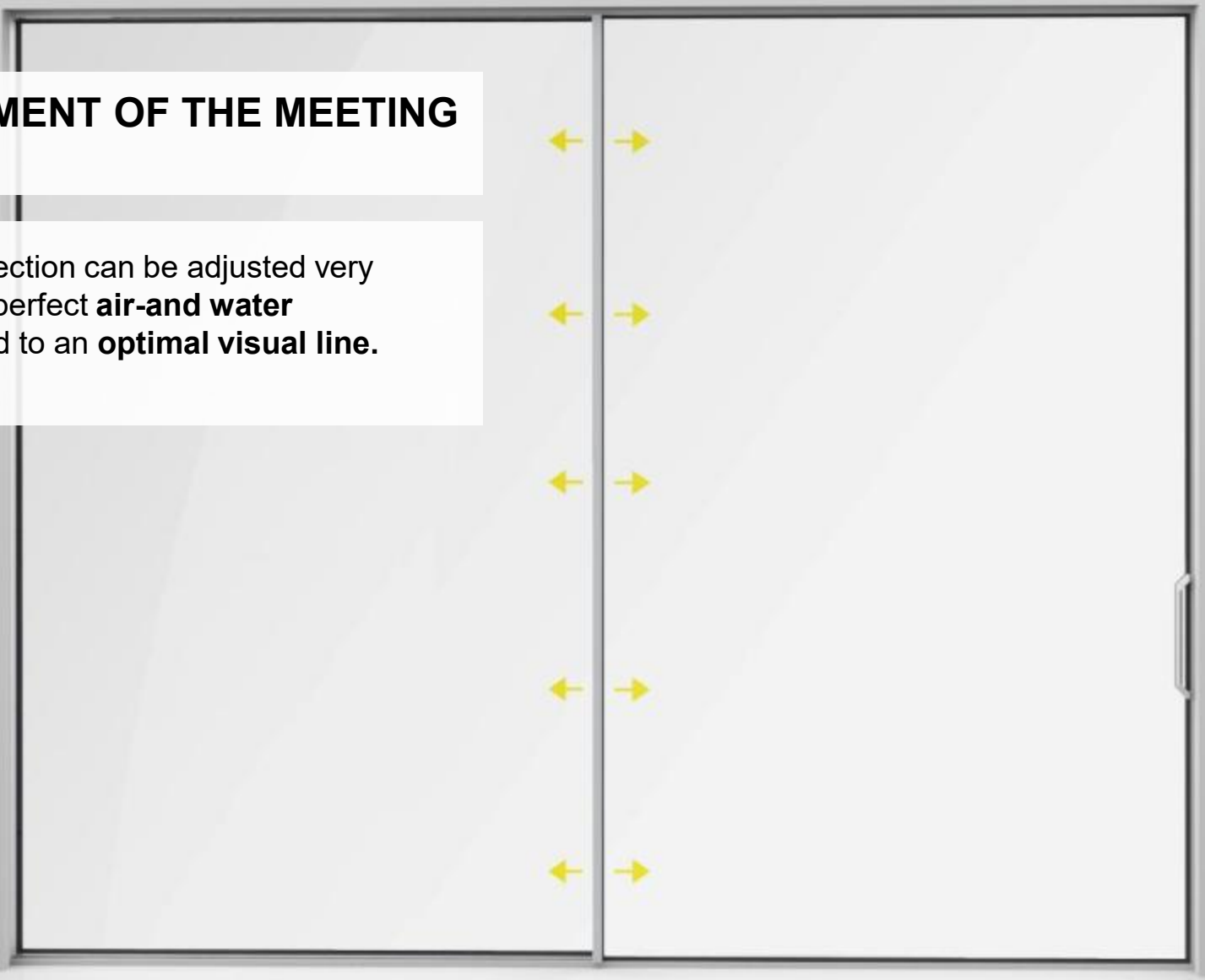
Calculated and simulated for weights up to 500kg

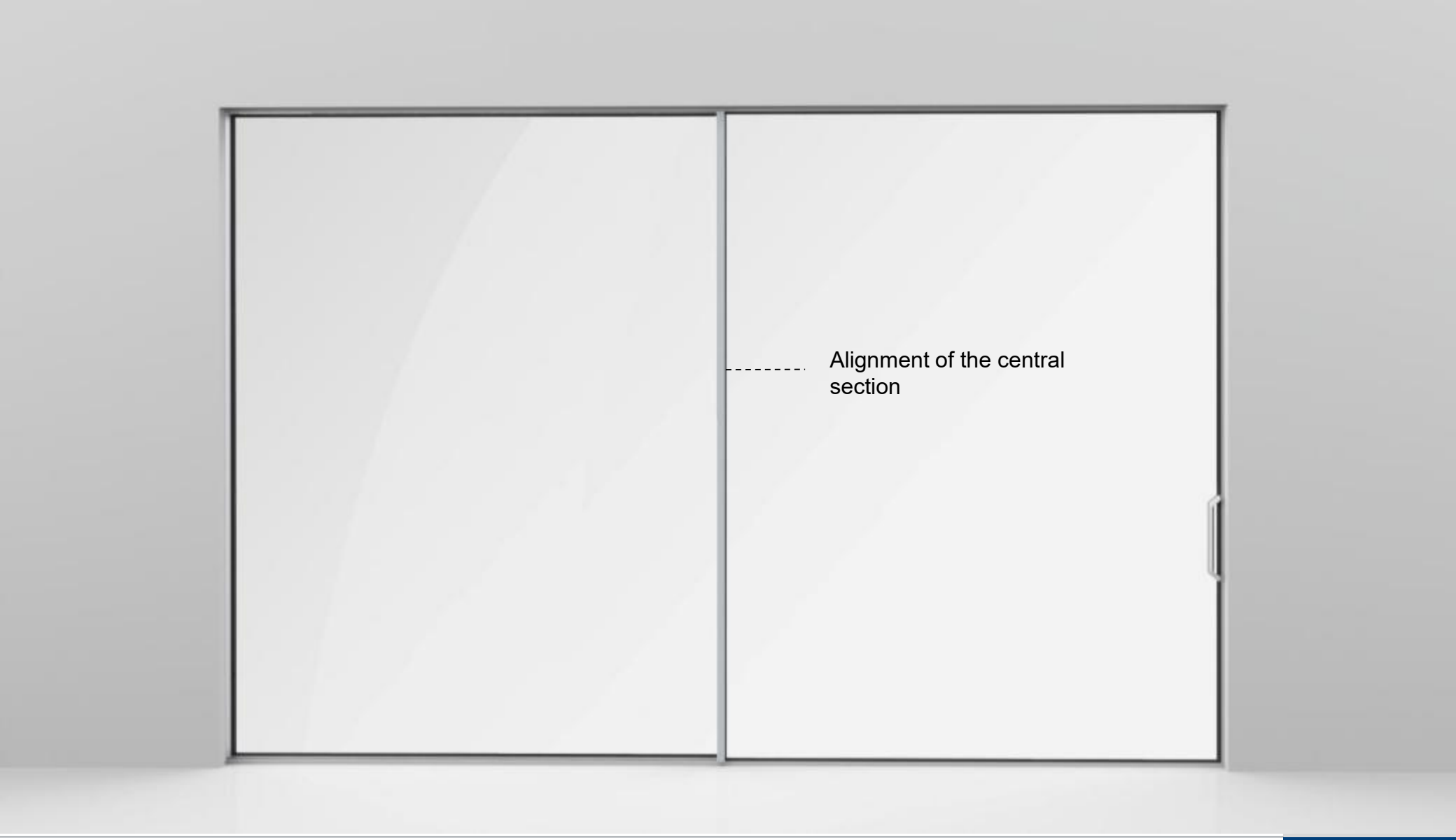
ADVANCED WHEEL CARRIAGES FOR HEAVY LOADS

Test for 30.000 cycles with a weight of 500kg

ALLIGNEMENT OF THE MEETING SECTION

The central section can be adjusted very precise for a perfect **air-and water tightness** and to an **optimal visual line.**




Alignment of the central section

ALLIGNEMENT OF THE MEETING SECTION

By adjusting the patented distance pieces, tolerances of the building site can be corrected in an **easy, fast and controlled** way.

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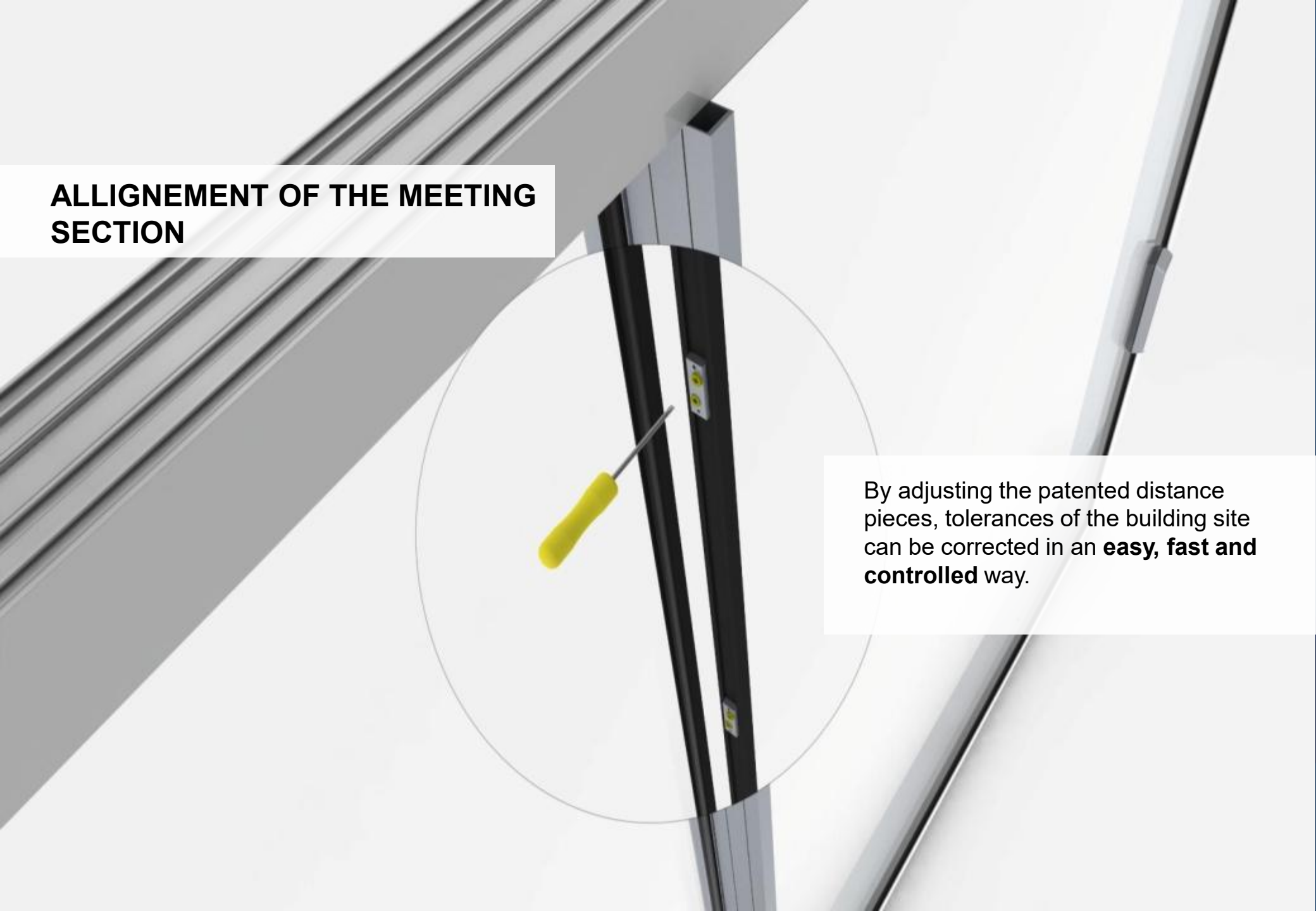

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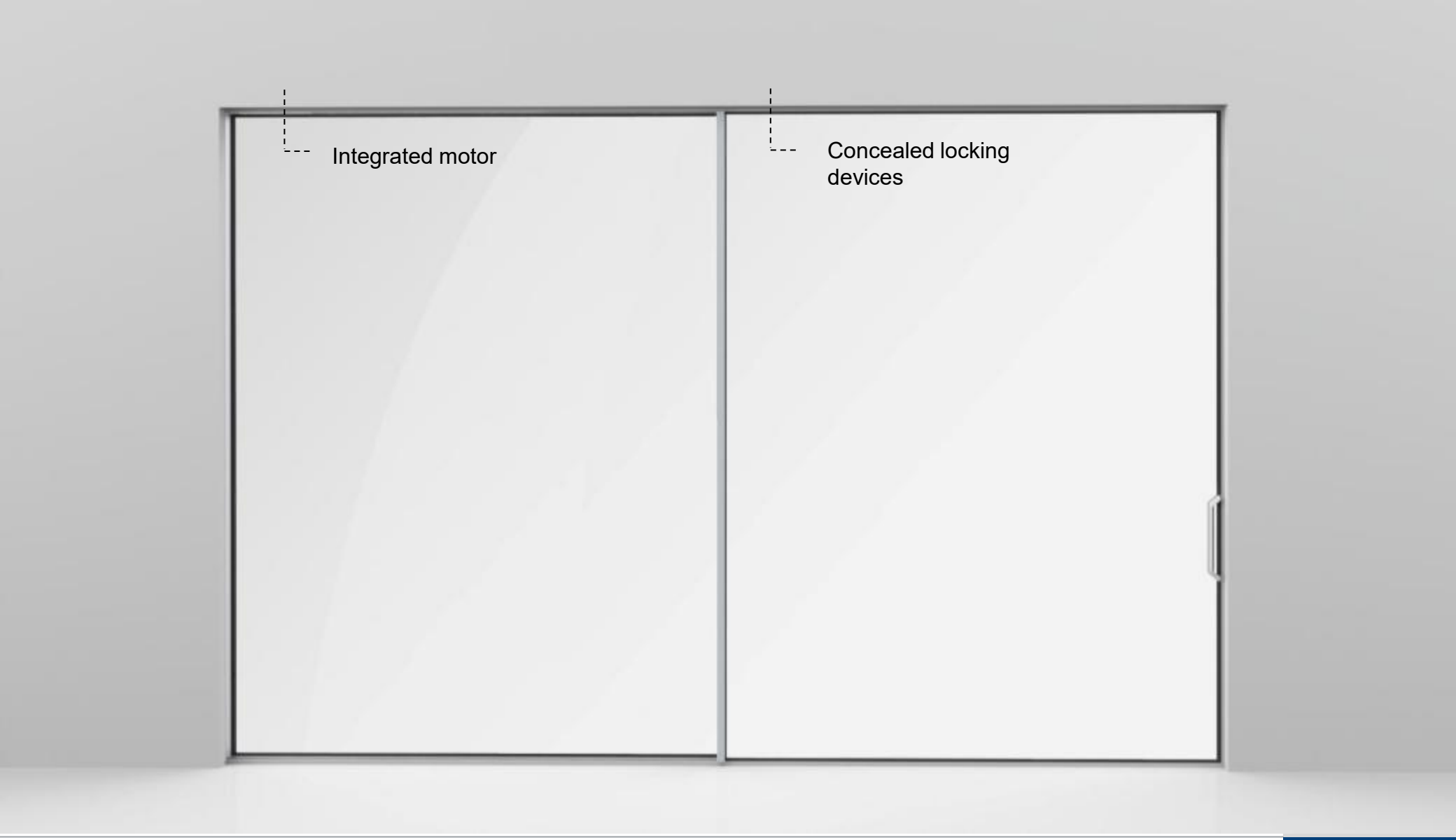

Integrated motor
Concealed locking devices

INFINITY VIEW

2 Hardware versions

We will launch **2 variants** of Infinity View. A **motorized** solution, where the leaf opens and closes automatically. And a **manual** solution, where you have top move the door by means of a pull handle.

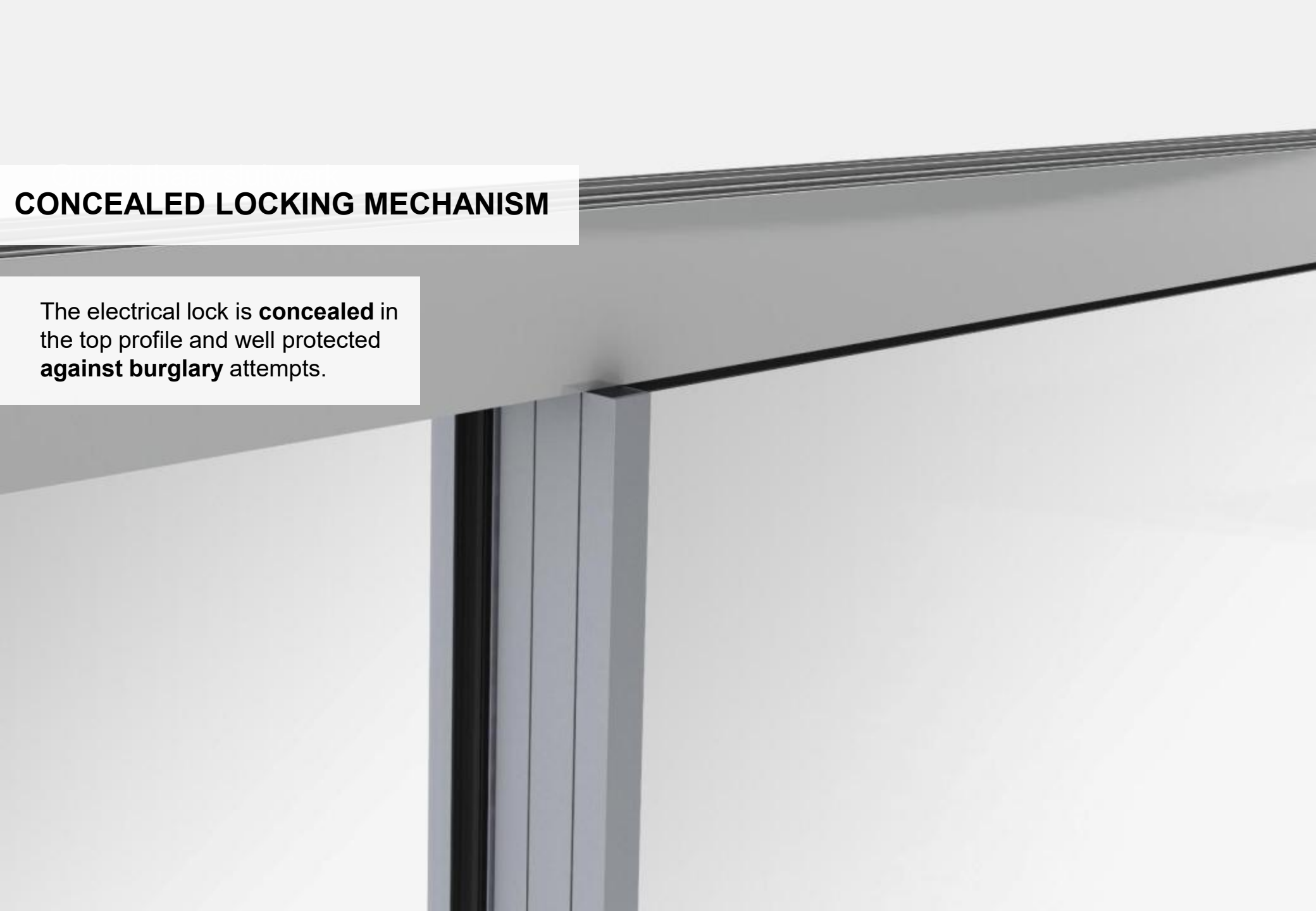
Motorized solution,:
There is no need for a handle, in closed position, no accessories are visible. The door is opened/closed by a push on the button.
This button is positioned in the wall next to the sliding system or on the remote control.
Vents up to 300 kg

Manual solution:
The locking/unlocking of the system is realised by an electric lock located in the top frame. Actuator is a push button on the wall next to the sliding system or via a remote control.
Moving of the vent is manual with the design handle.
Vents up to 500 kg

In both cases Lock & motor are hidden inside the top frame profile.
Even when the door is opened only the designed handle is visible.

CONCEALED LOCKING MECHANISM

The electrical lock is **concealed** in the top profile and well protected **against burglary** attempts.

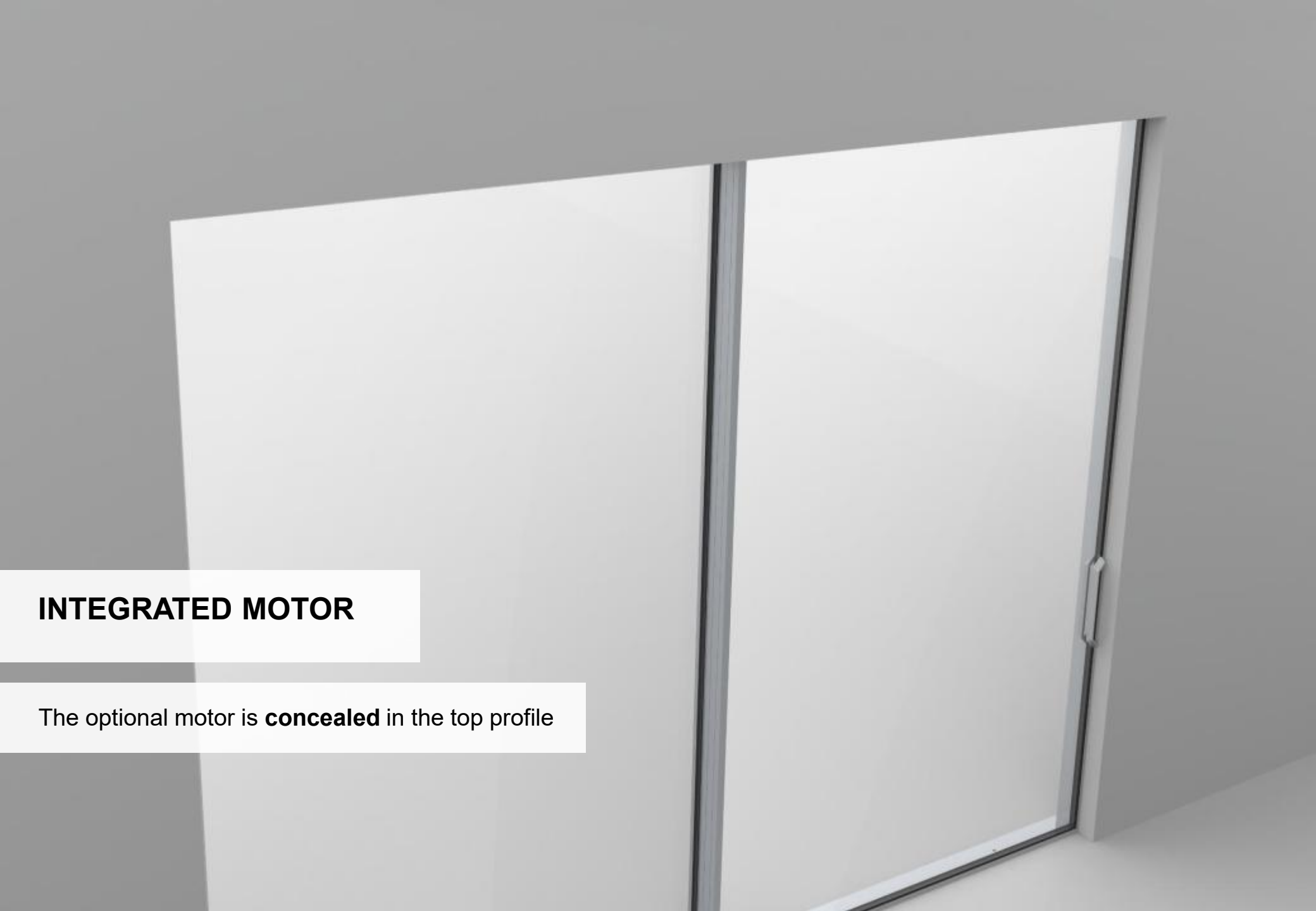


CONCEALED LOCKING MECHANISM

The electrical lock is **concealed** in the top profile and well protected **against burglary** attempts.

CONCEALED LOCKING MECHANISM

The **patented adjustment mechanism** allows a **perfect and easy positioning** of the locking plate in order to cover the tolerances.



INTEGRATED MOTOR

The optional motor is **concealed** in the top profile

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