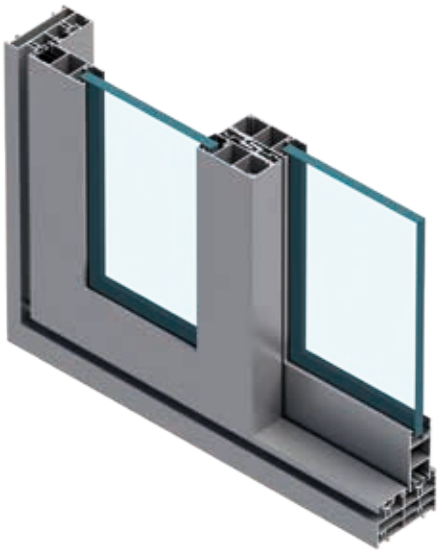
ALUPROF
ALUMINIUM SYSTEMS

Sliding patio & balcony door

MB-37 SLIDE STORM



ALUPROF proudly presents the MB-37 Slide Storm, a cutting-edge sliding patio and balcony door system engineered specifically for markets where large expanses of glass need to endure the extreme pressures of hurricane-force winds. The MB-37 Slide Storm delivers not only in terms of strength but also in style. Its sleek, modern design is complemented by its affordability, making it a popular choice for clients who demand high performance in extreme weather conditions without compromising on aesthetics or ease of use. This system is tailored for the U.S. market, meeting the rigorous standards required for hurricane-prone regions. Given that hurricanes develop over warm waters, the system is designed as a cold structure without thermal breaks.

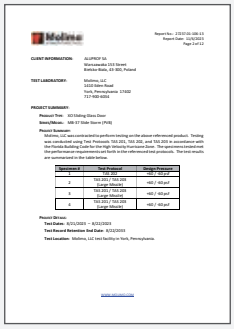
The MB-37 Slide Storm meets the stringent requirements of ASTM International and Florida Building Code standards TAS 201-94, TAS 202-94, and TAS 203, making it ideal for use in Florida and other regions where enhanced hurricane protection is critical.

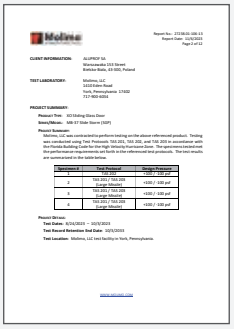
the ultimate hurricane defense

SLIDING PATIO & BALCONY DOOR / **MB-37 SLIDE STORM**

Independent testing by Molimo, a U.S.-based accredited laboratory, confirmed that the system is suitable for use in high-risk hurricane zones, including Zone 4, where wind speeds can exceed 170 mph (274 km/h).

The MB-37 Slide Storm plays a vital role in safeguarding both lives and property.





FUNCTIONS AND AESTHETICS

- large-scale door panels are permissible, with a maximum width (L_S) of 3200 mm, height (H_S) of 3000 mm, weight of 160 kg and required L_S to H_S ratio of $L_S \leq 2.5\ H_S$
- the door features fittings by renowned companies and the rollers operate inside a closed frame of aluminum profiles with embossed tracks
- laminated safety glass glazing, single, 14.3 ÷ 19 mm thick, with a TVG66.2 PVB (2.28 mm) or TVG66.2xSG (3×0.76 mm) designation
- the system meets the TAS 201-94, TAS 202-94 and TAS 203 standards. MB-37 Slide Storm doors are simultaneously hurricane-resistant and impact-resistant structures, standing up to wind and impact from wind-borne debris and objects
- high resistance to external conditions even after damage has been sustained. The system has been tested for 4,500 cycles of alternating pressure exerted on the structure
- available configurations: A (one door leaf is active, the other fixed), D (both door leaves are active), C (two middle door leaves are active and the outermost are fixed), K (outermost door leaves are active and the middle are fixed)

TECHNICAL DATA	MB-37 SLIDE STORM
Frame depth	100.7 mm (2-rail profile)
Leaf depth	37 mm
Glazing thickness	14.3 – 19 mm

PERFORMANCE	MB-37 SLIDE STORM
Airtightness	0.30 cfm/(ft²K) | ASTM E283, TAS 202-94
Watertightness	12 psf | ASTM E331, TAS 202-9
Static air pressure resistance	±60 psf / ±90 psf | ASTM E330, TAS 202-94
Impact resistance	class 10, ASTM F588, TAS 202-94

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