

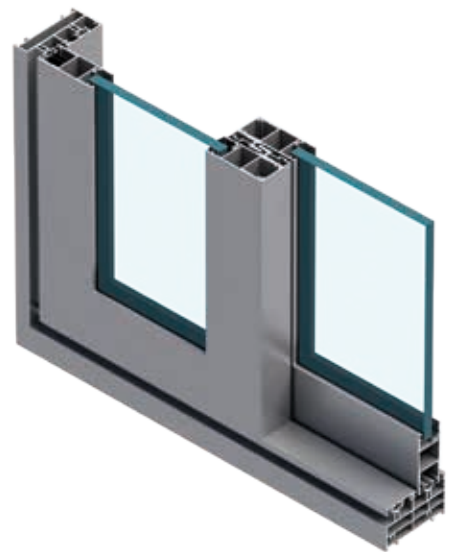


LET'S BUILD A BETTER FUTURE

## Sliding patio & balcony door **MB-37 SLIDE STORM**

The MB-37 Slide Storm is a sliding patio and balcony door system created for markets where extensive spans of glazing have to withstand the powerful pressure of hurricane-force winds. The system makes it possible to create structures that offer leading-edge contemporary style and are economical at the same time, earning clients' appreciation not only for their notably high resistance to extreme weather, but also for how convenient the door is to use. The solution primarily fits the expectations of clients in the United States and fulfils the exacting standards in place there. Given that hurricanes form over bodies of water with high temperatures, it is a cold system with no thermal break.

The MB-37 Slide Storm meets the standards set by ASTM International (formerly known as the American Society for Testing and Materials) and Florida Building Code standards TAS 201-94, TAS 202-94 and TAS 203, which are applicable to buildings in Florida, where additional hurricane protection is required.

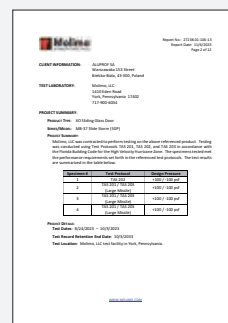


**the ultimate hurricane defense**



The results achieved by the structure during tests carried out in the USA by Molimo, an independent, accredited laboratory, allow it to be used in regions with a high or very high hurricane risk, including Zone 4, where wind speeds exceed 274 km/h (170 mph).

Under extreme conditions, MB-37 Slide Storm doors contribute to the protection of human life and property.



## FUNCTIONS AND AESTHETICS

- large-scale door panels are permissible, with a maximum width ( $L_5$ ) of 3200 mm, height ( $H_5$ ) of 3000 mm, weight of 160 kg and required  $L_5$  to  $H_5$  ratio of  $L_5 \leq 2.5 H_5$
- the door features fittings by renowned companies and the rollers operate inside a closed frame of aluminium 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 active and the outermost fixed), K (outermost door leaves are active, and the middle fixed)

| TECHNICAL SPECIFICATION | MB-37 SLIDE STORM           |
|-------------------------|-----------------------------|
| Frame depth             | 100.7 mm (profil 2-szynowy) |
| Leaf depth              | 37 mm                       |
| Glazing thickness       | 14.3 – 19 mm                |

| Performance                    | MB-37 Slide Storm                         |
|--------------------------------|-------------------------------------------|
| Air permeability               | 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           |