

# GUTMANN S70+

Outswing Door System (25mm Threshold)



GUTMANN New dimensions offer new perspectives

ALUMINUM SHAPED BY GUTMANN



# GUTMANN S70+ OUTSWING DOOR 25mm

Innovative technology at its peak, with greater design and constructive flexibility

The GUTMANN S70+ Outswing architectural doors are ideal for mid-rise residential projects, condominiums, and hotels with the additional benefit of polyamide thermal barriers for enhanced thermal performance.

This door system meets elevated requirements regarding thermal insulation, stability, and security. It can be installed as a stand-alone product or easily integrated into GUTMANN's systems.

# SYSTEM DESCRIPTION

- > NAFS AW90 Performance Class
- > Ideal for residential and commercial applications
- > Outstanding craftsmanship, strength, and durability
- > The top rail is 3" (75mm) height and the bottom rail 3" (75mm) with a threshold of 1" (25mm)
- > Profiles have three-chamber systems with the frame depth is  $2^{3}/4^{2}$  (70mm)
- > Out-swing operation with an option of single and double leaf door
- > Sturdy corner-blocked and crimped door leaf construction; tested indoor leaf sizes up to 43" x 93 1/4" (1092mm x 2369mm)
- > Accommodates 1" to 1<sup>7</sup>/<sub>8</sub>" (25.4mm 48mm) double glazed sealed units
- > Optional surface mounted door closers
- > Optional installation of mortise locks and striking plates with slide blocks
- > Dry glazed, using compression gaskets, and innovative seals
- > Hardware with multi-point locking
- > Finishes available in a variety of standard and custom colours
- > Easily integrates with other GUTMANN products
- > Life Cycle Tested to AAMA 910 and NAFS

Our in-house design assistance, engineering, and manufacturing ensure maximum efficiency throughout the entire process.

#### SYSTEM PROPERTIES

Size Limitation: 59" x 106 5/16" (1500mm x 2700mm) Leaf Weight: 120Kg



Canadian Air infiltration /Exfiltration ASTM E283

A3 Level



Uniform Load Structural Test Pressure ASTM E330-14 +/-6480 Pa (+/- 135.34 PSF)



Forced Entry Resistance AAMA 1304-02 300 lbs (136 Kg)



Air Leakage
ASTM E283!\$(

0.01 cfm/ft2 - Prior to the cycles 0.01 cfm/ft2 - After cycling 0.02 cfm/ft2 - After Design Load 0.10 cfm/ft2 - Allowed @ 6.27 PSF

# SYSTEM CROSS-SECTION



Low Bottom Rail



Double Glazed



Triple Glazed



# Water Penetration ASTM E547-00 ASTM E331-00

720 Pa (15.04 PSF) - No leakage - Prior to, After Cycling and After Design Load



Design Pressure **ASTM E330-14** +/-4320 Pa (+/- 90.23 PSF)



Operating Force ASTM E2068-00 <27N (<6lbf)



Thermal Transmittance (U-Factor) NFRC 100

Shall not exceed 0.38Btu/hr/ft2-F<sup>o</sup> for double glazed and 0.32 Btu/hr/ft2-F<sup>o</sup> with triple glazed. This value may vary according to glass selection and framing configuration.



#### BECOME A GUTMANN PARTNER AND ENJOY THE FOLLOWING ADVANTAGES:

- > Many years of experience and expertise in façade business
- We offer you everything from a single source: structural engineering advice in design and planning phase of a building, as well as support in the implementation of existing system technology with special system-based solutions
- > Top quality products are our trademark and basis of our reputation
- > High storage capacity and efficient logistics ensure fast and punctual delivery
- Maximum customer benefit characterized by a successful combination of sophisticated design, certified safety, and sustainable profitability

GUTMANN Innovative technology at the highest level



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