

R-850 Hybridex™

The irresistible side

The practical side

NEW



Test results

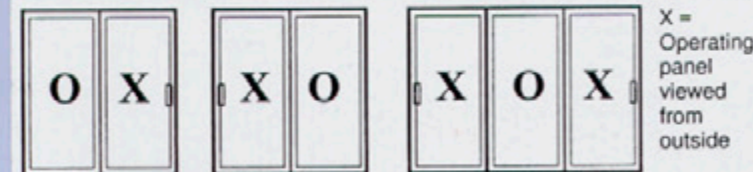
Air tightness	A-3 (maximum performance)
Water tightness	B-4 (maximum performance)
Wind load	C-2; C-3 optional (maximum performance)
Ease of operation	E-3 (maximum performance)
Break-in resistance	F-2 (maximum performance)
Resistance to condensation	Surpasses the highest standard of I-40

(based upon AAMA/NWDA 101/I.S.2-97)

6' x 6'-8" door	SGD-R50
6' x 6'-10" door	SGD-R45

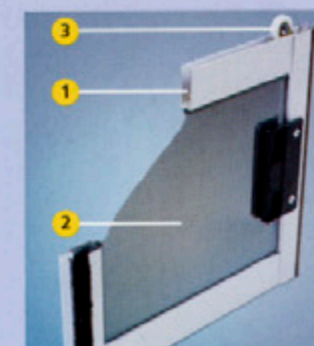
Available dimensions

5 feet	59 7/16 in. W x 79 1/2 in. H	1,510mm W x 2,019mm H
	59 7/16 in. W x 81 in. H	1,510mm W x 2,057mm H
6 feet	71 1/4 in. W x 79 1/2 in. H	1,810mm W x 2,019mm H
	71 1/4 in. W x 81 in. H	1,810mm W x 2,057mm H
8 feet	94 7/8 in. W x 79 1/2 in. H	2,410mm W x 2,019mm H
	94 7/8 in. W x 81 in. H	2,410mm W x 2,057mm H
9 feet	105 3/8 in. W x 79 1/2 in. H	2,677mm W x 2,019mm H
	105 3/8 in. W x 81 in. H	2,677mm W x 2,057mm H



The screen

- Strong, sturdy extruded aluminum frame. 90° overlapping assembly secured by screws in all 4 corners. Offers superior strength.
- Fiberglass screen cloth. Resists tearing and perforations.
- Adjustable nylon rollers in 4 corners. Carefree operation and maintenance.



Optional finishing accessories

- Brick moulding with aluminum sill extension
- Drywall return (1/2 in.)
- Frame extension (1/2 in.; 3 or 4 sides)
 - Finger-jointed pine up to 4 1/2 in. Optional PVC cladding
 - PVC up to 6 in.
 - Non-jointed pine

The Hybridex™ warranty

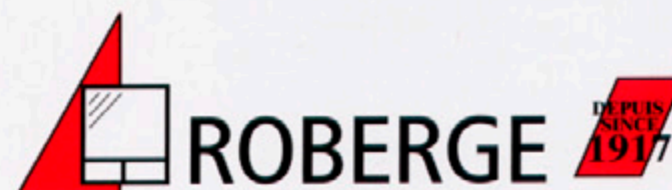
See your distributor for all the details.

Hybridex™
The original. And still the best.
Aluminum - PVC

The R-850 Hybridex™ is the first of its kind. Others are just imitations. Make sure to ask for the real thing.



The manufacturer reserves the right to modify the products without prior notification.



Hybridex™: merging aluminum and PVC *Hybridex™ is a revolutionary technology that allows the merging of aluminum and PVC in the same product. Aluminum is used on the outside of the door, PVC on the interior. The frame and sashes are constructed in the same fashion. The R-850 Hybridex™ is a unique door, its composition offering beauty, durability and high energy efficiency.*



The irresistible side
Aluminum



The practical side
PVC

Advantages	
Extensive choice of colors	Solid
Easy maintenance	Durable
Resists fading and discoloration by the sun	

Color choices

Standard colors	Non-standard colors
Blue white	Light bronze
Commercial brown	Ivory
	Sand

Colors may not be exactly as shown.

Custom colors

Aluminum can be painted in an infinite range of colors to harmonize with the exterior of your home. Ask your local distributor for further details.

Handle finishes

Standard

Elegant white zinc handles with baked-on enamel

Optional

- Polished chrome
- Brass
- Antique brass
- Stainless steel (rustproof)



Decorative glass (optional)

- Tinted glass in bronze or grey

Integrated grilles (optional)

- Georgian or rectangular grilles available in an assortment of colors (upon request)
- Tubular brass grilles



The Hybridex™ H₂O sill

High resistance

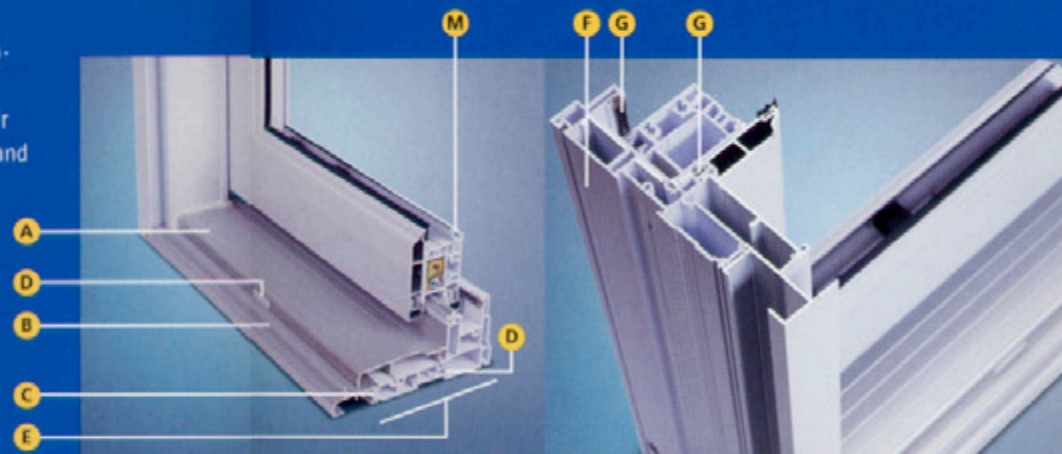
- A** Extruded anodized aluminum sill is **corrosion resistant**.
- B** Integrated rolling rail, ready for screen installation.

2 valves, 2 drainage systems

- C** Double drainage system (internal and external). **Maximizes water evacuation.**
- D** Two valves (internal and external) create an air pocket, reducing the pressure between inside and outside. **Optimizes air and water tightness.**

0 infiltration

- E** Step-shaped sill profile. **Prevents water infiltration.**

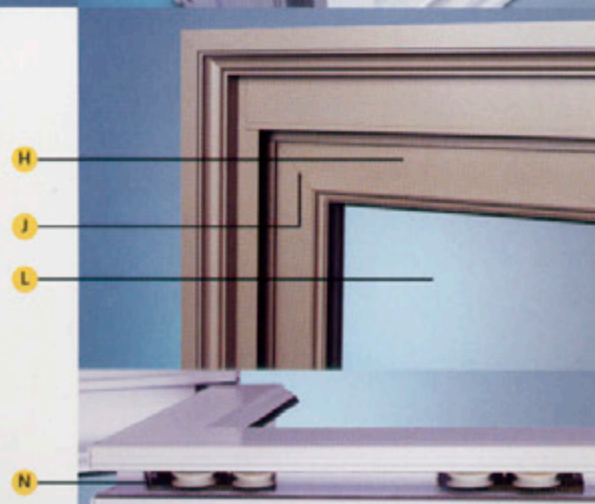


The Hybridex™ frame

- F** The hybrid frame is mechanically assembled from aluminum and PVC merged by a rolling process. Depth: 6 1/4 in. (159 mm).
- G** Double weatherstripping on the frame and triple on the sill. Superior performance with **extreme resistance to wear and tear.**

THE HYBRIDEX™ SASHES

- H** Mechanically assembled hybrid sashes made from aluminum and PVC merged by a rolling process.
- I** Integrated invisible seal along circumference of the sashes. **Eliminates air and water infiltration.** (Not shown.)
- J** Corner assembled by crimping process (aluminum) and screwing (PVC) at a 45° angle.
- K** Invisible galvanized steel reinforced meeting stiles for **maximum rigidity.** (Not shown.)
- L** 3/4 in. clear insulated tempered glass with "thermal edge" energy-saving spacer. **Excellent energy efficiency and soundproofing.**
- M** Glazing bead system for glass retention. **Facilitates replacing glass if necessary.**
- N** Tandem ball bearing rollers. **Smooth and silent operation.**



Advantages	
Minimum maintenance	Lightweight
Superior thermal insulation	Shock resistant

Color choices

Standard color
Blue white

Custom colors

PVC is available in a wide assortment of colors. Ask your local distributor for further details.

Security devices

Standard

Single mortise locking mechanism - **both secure and weatherproof**

Optional

- Key lock
- Double mortise locking mechanism



High energy efficiency glazing (optional)

Besides the standard clear glass, the R-850 Hybridex™ can be equipped with:

- LoE2 insulated glass with Argon gas
- "Superspacer" warm edge energy-saving spacer
- "Heat mirror" insulating glass HM-88, HM-TC88, HM-SC75