SCHÜCO IMPACT RESISTANT WINDOW AND DOOR SYSTEMS

SCHÜCO

Be Prepared All Year Long with Impact Resistant Window and Door Systems from Schüco

The extreme weather in and around Florida demands more from our windows and doors than anywhere else in the country, especially during hurricane season.

According to the Federal Emergency Management Agency (FEMA), windows and doors are the primary sources of most household damage during a storm, and therefore the most vulnerable spot on a home facing extreme weather. If windows are damaged during a storm, high winds and debris can enter the home, put pressure on the roof and walls, and cause damage from the inside out. This is why window protection is critical.

Impact resistant windows combine heavy duty frames with impact resistant laminated glass to keep the glass from breaking away from its frame. Impact resistant glass is comprised of two panes of glass bonded together with a special interlayer. Although wind-borne debris or an attempted break in might crack the glass on impact, the interlayer keeps the overall window intact.

Our state of Florida compliant impact resistant windows and doors are tested to withstand wind-borne debris and attempted break-in, no additional screens or shutters are needed.

Further, our aluminum windows, sliding and terrace doors are practical in rainy, humid climates and meet stringent coastal building codes in hurricane-prone areas due to their strength. Most of our systems are dry glazed without any structural silicone, which allows for easier installation and glass replacement if necessary.

Investing in impact resistant windows will help gain high energy efficiency by virtue of the insulating effect that can lower the solar heat gain. The heavy duty windows prevent air from escaping, which results in significant reduction of energy costs.

Schüco impact resistant windows act as a 24/7 protective shield for your home so you and your family can stay safe during hurricanes. Our impact resistant windows provide benefits beyond just hurricane protection. The decision to upgrade to impact-resistant windows has never been easier with a variety of styles and options to serve the diverse needs of homeowners and give you even more peace of mind.

Benefits beyond hurricane protection.

01
ONE-TIME INSTALLATION
Once installed, there is nothing else to do. No need to put up shutters anymore. Our impact resistant products provide continuous protection from the moment they are installed. A hurricane can strike without a warning. Luckily, our impact windows provide continuous protection and a quality defense without the hassle.

02
INSURANCE DISCOUNTS
Impact resistant windows are effective windstorm protective systems, recognized by many insurance companies and this can offer reductions to insurance premiums.

03
INCREASED PROTECTION
Properly installed impact resistant windows provide the highest level of protection to the valuable and vulnerable interior of your home. Our impact resistant windows consist of several layers of glass. Not only does this protect from flying debris, but also from burglary attempts.

04
IMPROVED APPEARANCE
Hurricane shutters need to be deployed and taken down after every storm. No more sitting in the dark, our impact resistant windows allow you to see outside. They look just like regular windows but provide protection against strong and damaging winds.

05
IMPROVED ENERGY EFFICIENCY
Impact resistant windows offer an insulating effect and can reduce the solar heat gain in the summer and help retain heat in your home on colder winter days. The heavy-duty windows also prevent air from escaping which results in significant reduction in your energy costs.

06
NOISE REDUCTION
An unexpected benefit is the reduction of outdoor noise transmission. Impact resistant windows provide good soundproofing from the outside due to the laminated glass and the extra interlayer.

07
UV PROTECTION
Impact resistant windows provide protection from ultraviolet (UV) light. UV light can cause damage to fabrics, artwork and paint. Protect your valuable interiors from fading or discoloration. Impact resistant windows can block up to 99 percent of UV rays.

IMPACT RESISTANT WINDOWS

Schüco AWS 65

SCHÜCO AWS 65

Performance Overview

The concept of the continuous center gasket with Schüco SimplySmart is a tried-and-tested solution for inward opening tilt and turn windows. Markets with average thermal insulation requirements can benefit from this technology.

The system, which consists of a newly designed center gasket contour made from fabrication-friendly micro cellular rubber and a corner seal, offers an intelligent combination of several functions –self-positioning of the center gasket, sealing of the miter cut on the profile, and sealant control for optimum sealing of the corner area.

The Schüco Window AWS 65 is also available as a fixed window and outward casement.

STANDARD SYSTEM

The standard aluminum window system for international requirements has a face width of 2-9/16' (65 mm).

SIMPLYSMART TECHNOLOGY

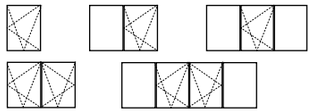
The innovations in Schüco AWS SimplySmarttechnology are characterized by efficient planning, fault-tolerant production and installation, and the optimization of energy efficiency.

VARIOUS OPENING TYPES

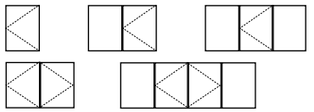
Whether you choose a fixed, inward tilt and turn or outward casement window, the options are more flexible than ever before.

CONFIGURATIONS

Inward Opening Tilt-Turn, Tilt and Turn, Fixed – Dry Glazed

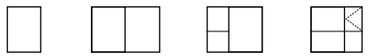


Outward Opening Casement – Dry Glazed



Fixed Window – Dry Glazed

Fixed Window – Wet Glazed



PERFORMANCE

Dimensions	Inward Tilt-Turn (Dry Glazed): 48" x 72" (1219 mm x 1829 mm) Outward Casement (Dry Glazed): 44" x 84" (1118 mm x 2134 mm) Fixed (Dry Glazed): 44" x 68" (1118 mm x 1727 mm), 36" x 90" (914 mm x 2286 mm) Fixed (Wet Glazed): 60" x 144" (1524 mm x 3658 mm)		
Maximum Weight	Tilt-Turn/Inward Casement: 352 lb. (160 kg) Outward Casement: 287 lb. (130 kg)		
Large Missile ImpactWind Load	+/-70 psf +/-65 psf (Fixed - Wet Glazed)		
AAMA Rating	Tilt-Turn, Outward Casement: AW-PG 70 Fixed: AW-PG 60		
Hardware	Concealed Hinge		
Accessories	Limiting Restrictor		
Thermal Performance*	**Inward Tilt-Turn** U-Value: 0.36 Btu/hr-ft2/-°F SGHC Value: 0.20	**Outward Casement** U-Value: 0.39 Btu/hr-ft2/-°F SGHC Value: 0.16	**Fixed** U-Value: 0.33 Btu/hr-ft2/-°F SGHC Value: 0.23

*with Solarban70 on #2 at standard NFRC size

IMPACT RESISTANT SLIDING DOORS

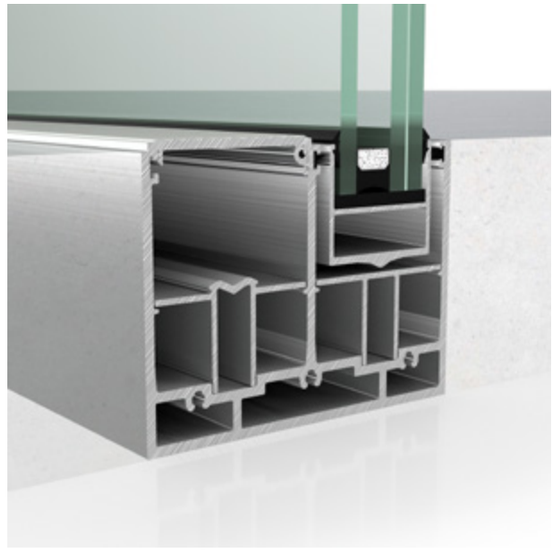
Schüco ASS 39 PD.NI

SCHÜCO ASS 39 PD.NI

Performance Overview

An exceptional, highly transparent sliding system solution with floor-to-ceiling glazing for areas without thermal insulation requirements.

The Schüco Sliding System ASS 39 PD.NI impresses with its clear design because of the concealed operation in the interlocking section or by means of an elegant, continuous pull grip.



FOR MAXIMUM FREEDOM

Thanks to narrow face widths and a concealed outer frame, the Panorama Design system ensures maximum transparency and light penetration.

WITH MINIMAL FACE WIDTHS

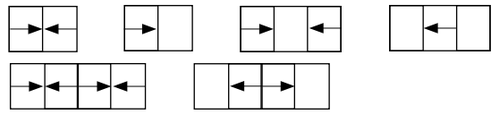
The wet glazed Panorama Design system stands out with its narrow face widths from just 1-9/16" (39 mm) in the interlock section.

FLEXIBLE VENT DESIGN

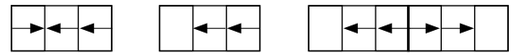
Unit heights of up to 12' (3650 mm) provide a variety of designs for an attractive living environment.

CONFIGURATIONS

Double Track



Triple Track



PERFORMANCE

Maximum Vent Dimension Maximum Overall Dimension	5' x 12' (1524 mm x 3658 mm) Up to 30' x 12' (9144 mm x 3658 mm) for 6 panel sliding door
Glass Thickness	Vent frame 461 070: 1-3/16" Insulated Laminated Glass Vent frame 461 050: 9/16" Laminated Glass
Maximum Weight	Up to 661 lb. (300 kg)
Large Missile Impact Wind Load	+63/-70 psf for vents at 4' x 12' (1219 mm x 3658 mm) +60/-60 psf for vents at 5' x 12' (1524 mm x 3658 mm)
Hardware	Sliding, pull handle and retaining catch handle
Thermal Performance*	Overall U-Value: 0.43 - 0.52 Btu/hr-ft2/-°F

*with Solarban70 on #2 at standard NFRC size / NFRC values can slightly change if the sill, head or jambs are buried.

IMPACT RESISTANT TERRACE DOORS

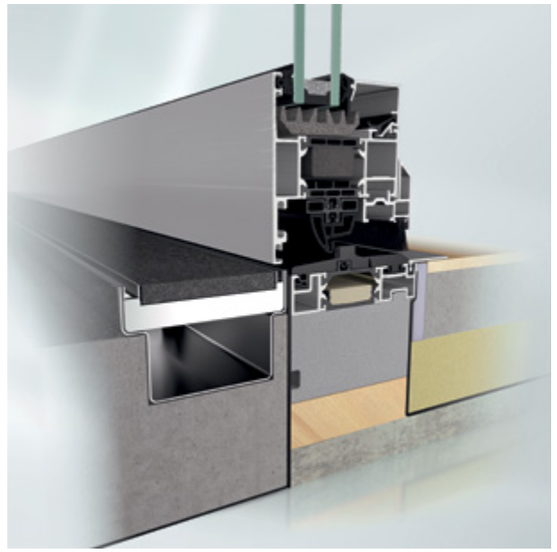
Schüco AWS 70.HI

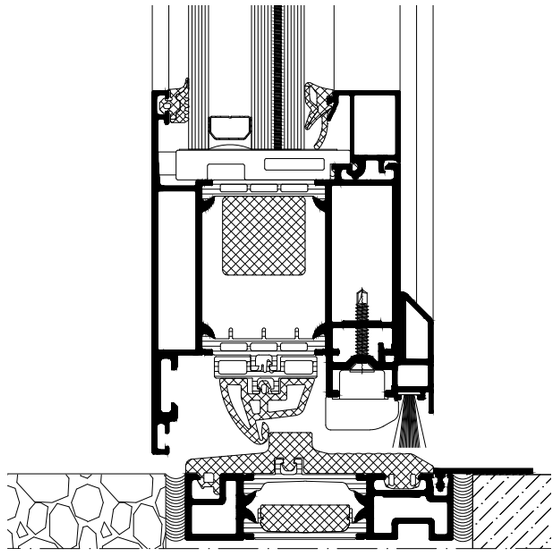
SCHÜCO AWS 70.HI

Performance Overview

The Schüco AWS 70.HI outward opening terrace door consists of an easy-access threshold option which meets ADA 1/2" (13 mm) threshold height limitation while maintaining a 15 psf water resistance test performance. Using the Group V vent profile increases the maximum overall size to 4' x 8'-4" (1219 mm x 2540 mm) for a single door and maximum overall size to 6'-2" x 8'-4" (1880 mm x 2540 mm) for a double door. The maximum weight is up to 286 lb (130 kg) with a 90° opening.

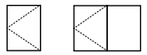
The system allows insulated glass units of 1-5/16" (33 mm) thick, thus meeting today's rigorous energy saving demands. By burying the 13/16" (20 mm) threshold into the floor, a smooth and easy ADA compliant access to the exterior is provided. The outward opening terrace doors are dry glazed and approved with adjacent fixed lites and an optional 10" bottom rail kick plate.



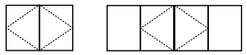


CONFIGURATIONS

Single Vent,
Outward ADA Threshold
Terrace Door



Double Vent,
Outward ADA Threshold Door



PERFORMANCE

Dimensions	Single: 4' x 8'-4" (1219 mm x 2540 mm) Double: 6'-2" x 8'-4" (1880 mm x 2540 mm)
Maximum Weight	Upto 287 lb. (130 kg)
Large Missile Impact Wind Load	+/-70 psf
AAMA Rating	Single: AW-PG 70 Double: AW-PG 60
Hardware	Exposed barrel hinge
Accessories	Dorma Door Closer, 10" bottom rail kick plate
Thermal Performance*	Overall U-Value: 0.35 Btu/hr-ft2/-°F SHGC: 0.18

*with Solarban70 on #2 at standard NFRC size