



Schüco AS PD 70.NI

Highest-performing slim-sliding system for homes

IND | AS PD 70.NI

SCHÜCO

Home is everything- a place where you bring out your best

A dream home is designed for your aspirations and to be with you forever



Unconfined spaces
Profuse natural light
and large spaces



Elegance
Personalised simplicity and
design-elegance



Comfor
Effortless and comfortable daily
routines



Safety
Protection from the weather
changes

Introducing the highest-performing, slim, sliding-system from Schüco

An unique product experience for your home

SCHÜCO

Concealed frames

Slim interlock

Wide glass range

Massive sizes

Weather resistant

Integrated handle

Smooth operation

And then there is **more** ...

And then there is more ...

From the house of Schüco

SCHÜCO

Dynamic closure

Performance

Dynamic closure

Barrier-free

Technology that has travelled the globe to reach your home

Achieve unrestricted access in a stunning way with the dynamic threshold

Unique dynamic threshold



- Smooth interplay of precision engineered components to provide a dynamic, barrier-free threshold
- Available at the bottom and the sides
- The mechanism is designed to operate 'only when necessary', making it child-safe and fool-proof



Technology that has travelled the globe to reach your home

Flush look at the sides with the dynamic side-frames

Unique dynamic side-frame



- Applied-technology to achieve a dynamic, flush outer-frame on the sides
- No visible cavities on the sides
- No more accumulation of dust on the sides, while the sliding system is left open



More natural light inspires you to think without limits

Get abundant daylight and views with large openings



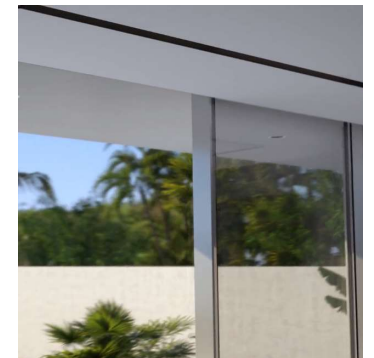
Massive panel sizes up to
4500mm tall and 3000mm wide

Unrestricted view with uninterrupted sightlines

Slim interlock profiles designed with high structural strength



Slim interlock 19mm / 25mm



Concealed frames

A haptic handle that is an organic extension of the system

Crisp design for looks, feel and ease of operation

Integrated handle



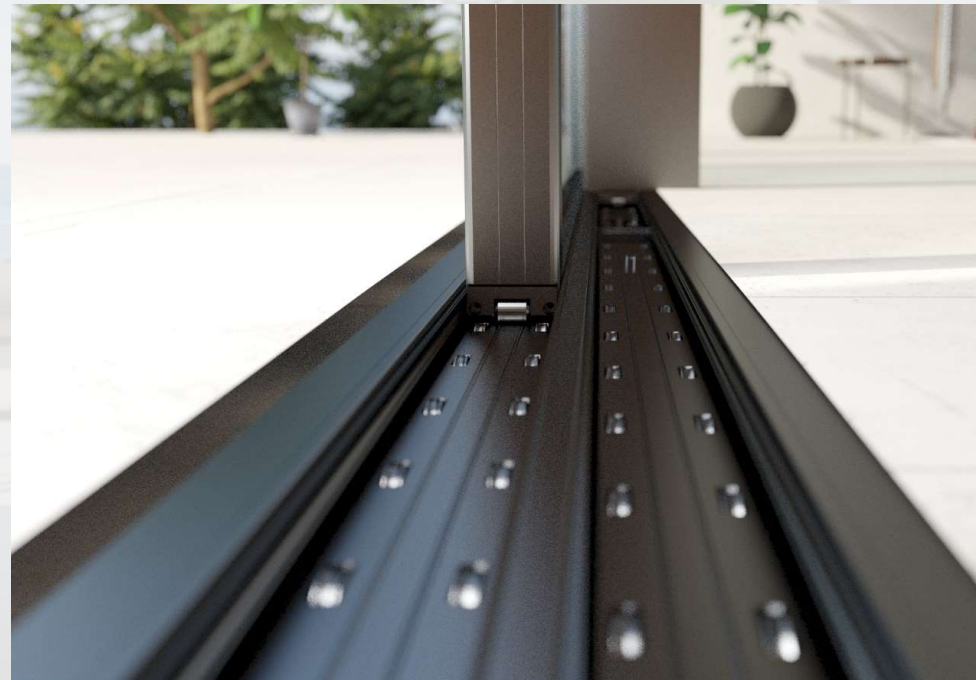
- Designed for optimal form and function
- Comfortable to grip and move the shutter with ease
- Smooth transition of handle and profile
- Integrated locking technology
-3 point locking



Each open and close becomes second nature
Smooth operation no matter how large the shutters are

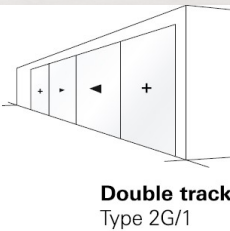
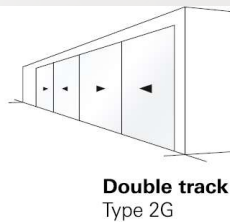
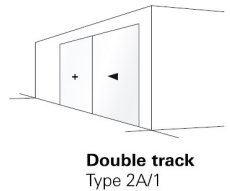
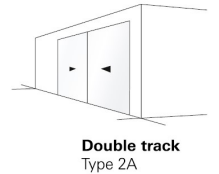
Smooth operation

- High quality stainless steel rollers designed for minimal contact and maximum smoothness
- Custom engineered under-carriage rods ensure uniform transfer of load from the vent to the rollers
- Rollers tested to withstand heavy loads while maintaining strength and integrity

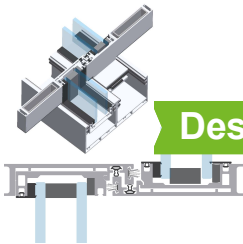


Personalize your home with a variety of design features and options

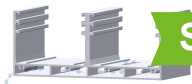
Achieve your dream home with Schüco



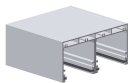
SchücoSeal: An integrated design, materials, and service approach to deliver the highest standards and performance to your home



Design rigor & philosophy



Selection of performance materials



Accessory specifications and testing



Last-mile training and support



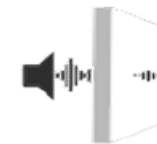
Wind



Water



Air

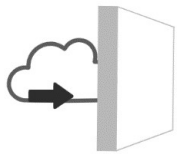


Noise

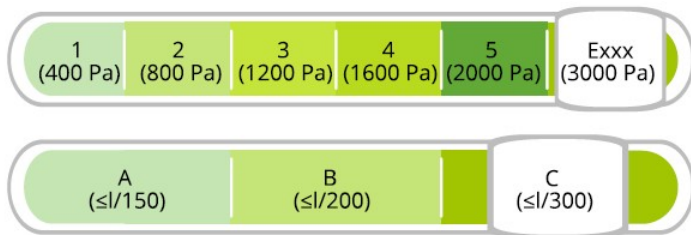


Schüco AS PD 70.NI

Wind load resistance with SchücoSeal



up to ASTM 3000 Pa
EN Class CE3000

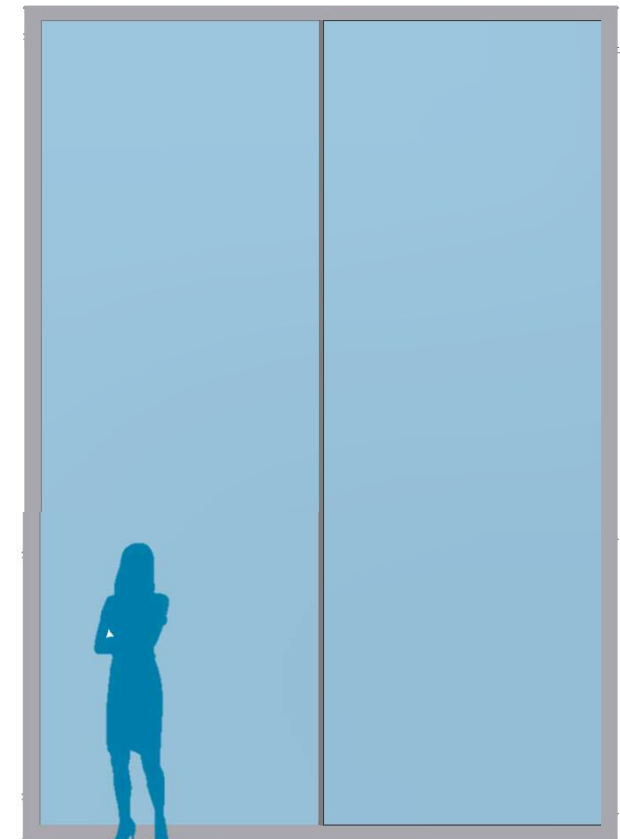


Robust Interlock Design

design backed up by FEA, simulations and multiple live tests

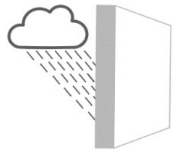
Single-sided Bonding

with one side gasket for high structural performance and ease of fabrication



Schüco AS PD 70.NI

Water-tightness with SchücoSeal



up to ASTM 450 Pa
EN Class 9A (600 Pa)

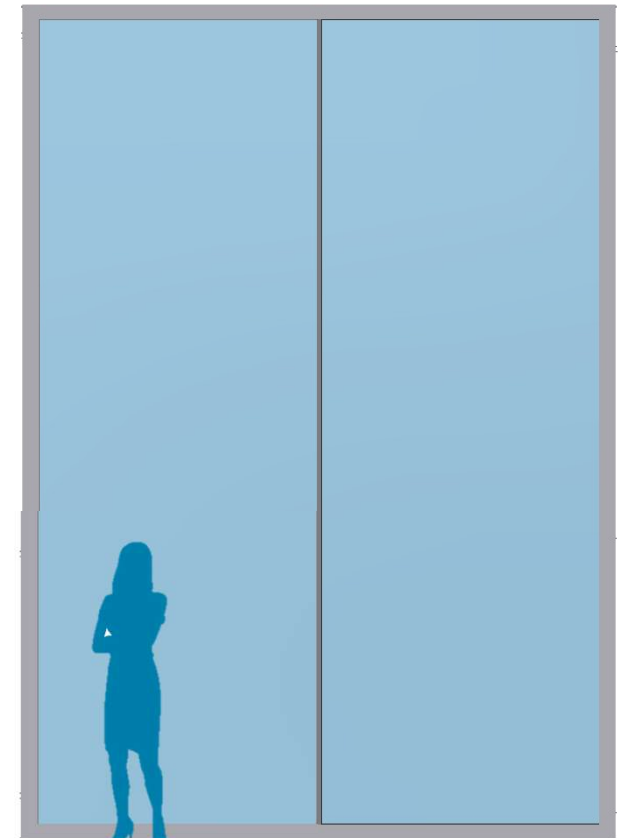
1A (0 Pa)	2A (50 Pa)	3A (100 Pa)	4A (150 Pa)	5A (200 Pa)	6A (250 Pa)	7A (300 Pa)	8A (450 Pa)	9A (600 Pa)	Exxx (>600 Pa)
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Multi-way Drainage

consisting of distinct drainage principles for the wet area and dry area

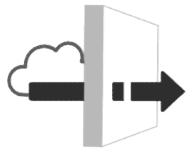
Innovative NRV-based drainage

Unique Non Return Valve design minimises backflow of water into the system

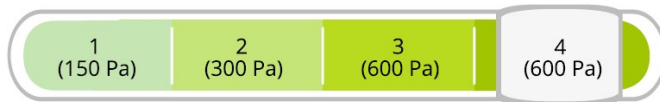


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Air tightness with SchücoSeal



up to ASTM 300 Pa
EN Class 4 (600 Pa)

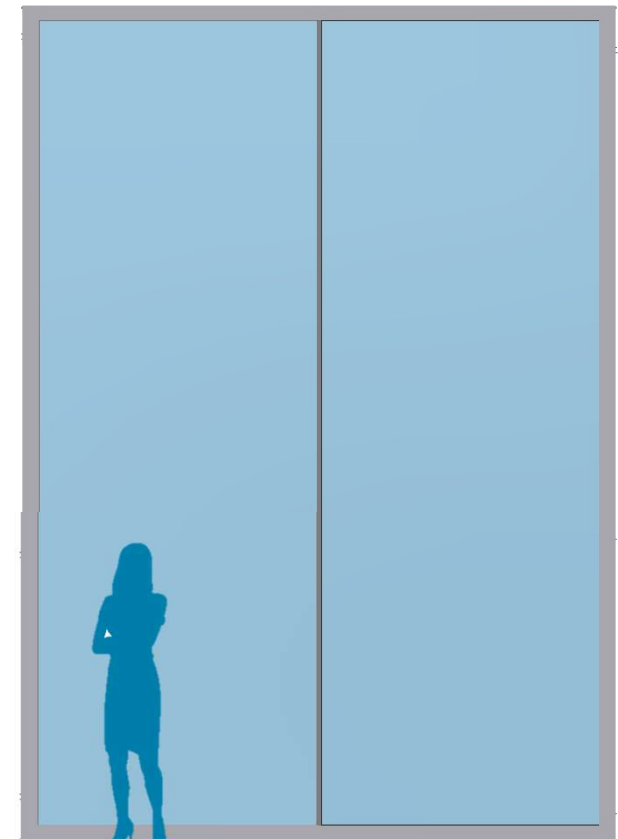


Enhanced Sealing Configuration

Semi- encapsulated brush seals for consistent performance and extended life

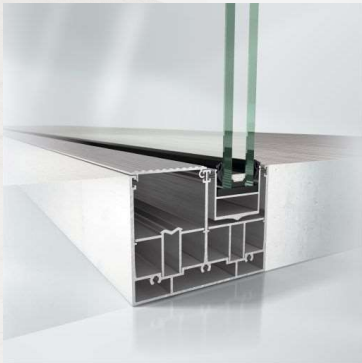
Schüco Centre Seal

custom designed barrier against intrusion of air, at the interlock location



Technology & materials

Construction-optimized aluminum design for strength, durability and surface finish



Excellent durability

High quality alloy 6060 T66 (properties similar to 6063 T6), with Schueco-specific quality standards- stringent control of elements like Fe, Mn and Zn in the material composition.

Tolerance control for fit

High precision extrusion as per EN 12020-2- ensures proper fitment and function of the system as per design tolerances.

Optimized for surface finish

Use of fully homogenised billets for extrusion- provides uniform grain structure and avoids surface defects. Ensures uniform surface quality and finish.

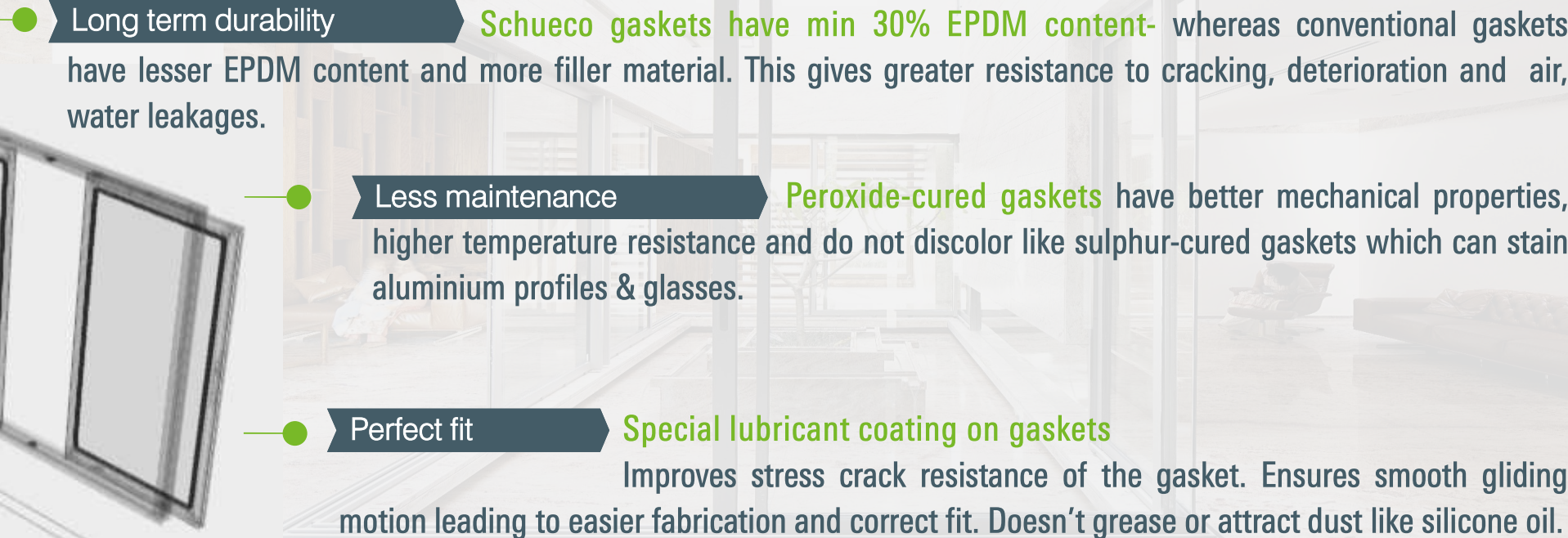
Surface quality delivered intact

Special protection tapes, QUV tested in Germany- leaves no residue on the coated/anodized surface upon removal.



Technology & materials

Gaskets with SchücoSeal ensure the best weather-tightness in all conditions

- 
- **Long term durability** Schueco gaskets have min 30% EPDM content- whereas conventional gaskets have lesser EPDM content and more filler material. This gives greater resistance to cracking, deterioration and air, water leakages.
 - **Less maintenance** Peroxide-cured gaskets have better mechanical properties, higher temperature resistance and do not discolor like sulphur-cured gaskets which can stain aluminium profiles & glasses.
 - **Perfect fit** Special lubricant coating on gaskets
Improves stress crack resistance of the gasket. Ensures smooth gliding motion leading to easier fabrication and correct fit. Doesn't grease or attract dust like silicone oil.

Technology & materials

Accessories tested for durability and ease of operation



Accessories

Stainless Steel A2 grade (SS304) fittings tested to 240 hrs of salt-spray test-
Class 4 corrosion resistance- *higher strength and resistance to environmental impact*

Rollers

High-quality, custom-engineered rollers providing a combination of **strength and smoothness** to the system. Tested *upto 25,000 cycles of repeated opening and closing which is more than 10 years of usage.* Weight carrying capacity up to 500 kg per vent.



Systemized process and dedicated teams

Our entire global knowledge is transferred systematically to our partners



Detailed catalogues

Separate step-by-step catalogues for fabrication, assembly and installation for a systemized and efficient method of making and installing the system.



Fabricator training

Schüco certified fabricators who are trained system-wise to deliver the quality & performance as the system was designed for.



Checklists

Detailed step-by-step checklists for fabrication, assembly and installation to ensure that all steps & process are followed as per the design-intent of the system.

Multi-level check points for high-quality installation

Ensures that system performance is unaltered after installing at your home

Why are installation checks important

- A great product experience is not only the result of design, engineering and innovation but also careful installation
- After all the care that goes into the product before it leaves the factory, site conditions when left unchecked, have a big toll on the product performance.

What do we do

- Certify partners to fabricate and install the units
- Meticulous installation process, few of which are mentioned below
 - Cleaning of fixing area- use of industrial vacuum cleaner when necessary
 - Stringent dimension check for the system and opening
 - Alignment of outer frame, flush to finished- floor surface
 - Check for plumb level and squareness
 - Check for minimum bite of weather silicone application
 - Allowance for building tolerance between the unit and sub-structure

Completely factory-made

- Site conditions are quite tough to control completely and thus can lead to adverse effects on the product quality
- The Schüco AS PD 70,NI is completely factory made- which made there is no fabrication or glazing activity done on site
- This allows us to have maximum control over the quality of the system

Thank you

