

SHINE LIKE THE SUN

Light is exhilarating, motivating, inspiring. Wouldn't it be nice if we could savour this effect as often as possible?

The CS-76 window systems are ideal for this. We use innovative technologies to manufacture windows and doors with large glazed areas and slender profiles. This gives the incoming sun enough space to stream in, creating rooms flooded with light.

For all their transparency, CS-76 solutions are extremely resilient thanks to high static and state-of-the-art functional glazing. At the same time, the generous glass fronts provide the basis for optimal heat utilisation. This saves heating costs and conserves resources.

Or to put it another way: With CS-76 windows and doors, you bring the sunshine to you – in every respect.

AT A GLANCE

- The intelligent profile design improves window stability
- The slender profile sight lines create optimum space for the greatest possible amount of incoming light
- Higher solar energy gains additionally reduce heating costs

ENJOY THE SUNNY SIDE OF LIFE

CS-76 windows and doors will quickly warm your heart: You can reduce heating costs, thus making your budget go further and contributing to climate protection through the careful use of resources. But more than that – we even make saving energy a real pleasure. Our window solutions are also impressive thanks to their comfort and elegant, understated look.

INTELLIGENT TECHNOLOGY ALL AROUND

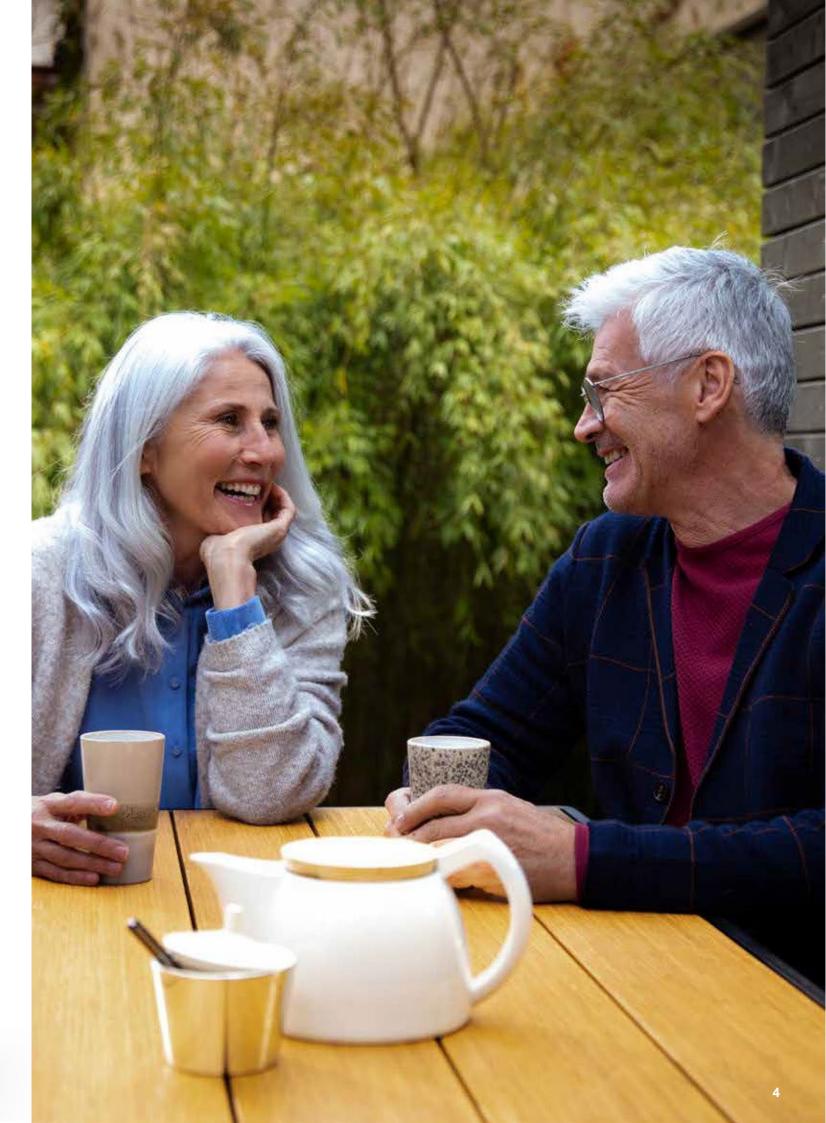
Three aspects are particularly important for thermal insulation: The PVC-U profile, insulating glazing with the edge connector and the wall connecting profiles. We have considered all this in our window designs and optimised them effectively. CS-76 windows and doors can also be equipped with an aluminium functional shell on the sash (AluClip Pro). This additionally improves the thermal insulation properties of the windows and doors solutions, which are already good to start with. This is because AluClip Pro assumes a static function, which is why the steel inside the PVC-U sash can be dispensed with.

GLAZING WITH POWER

High-quality triple glazing or functional glazing up to 50 millimetres thick can be used in CS-76 windows and doors. Shielded in this way, no heating energy is lost, and the generous windows let in a particularly large amount of solar heat. For sunny prospects all round!

- Centre seal system with high thermal insulation and 76 mm installation depth U₁ value up to 1.0 W/(m²K) already included in the standard
- Large range of glazing variants up to 50 mm provide the basis for modern triple glazing or special functional glazing
- Maximum use of solar heat









LIVE SAFELY, SLEEP PEACEFULLY

SAFETY IN SIGHT

Invitingly beautiful windows, balcony and terrace doors also attract unwanted guests. But you can put a stop to these. Thanks to our clever design, CS-76 windows and doors can be effortlessly fitted with burglar-resistant hardware and safety glass. This thwarts burglars because you make it more difficult for them to lever open windows or knock in panes. And you can sit back and relax.

- For windows and doors up to resistance class RC 2 (MC 2)
- Designed for burglar-resistant hardware



SOUND INSULATION FOR PEACE AND QUIET



Optimal quality of life includes a quiet, low-noise environment – you probably experience it yourself every day.

Windows from the CS-76 series support you in creating this perfect relaxing environment thanks to innovative sealing technology for the profiles and sound-in-sulating glass. This way, you can transform your home into an oasis of calm, even when the traffic is roaring by outside.

- Use of sound-insulating panes possible
- Optimum sound insulation of up to 47 dB



ALL AROUND A CLASS OF ITS OWN

We all want a world worth living in, for ourselves and our children – today and in the future. It's good when there are window and door solutions like the CS-76. They are designed with longevity, energy efficiency and sustainability in mind, as well as their classic, timeless design, pioneering operating and living comfort and flexible application options.

ATA GLANCE



Improved designs

Slender PVC-U profiles allow for large glazed areas. In addition, there is a wide colour variety thanks high-quality foiling in plain or metallic colours as well as wood grain, though aluminium shells or using the procoverTec surface technology.



Improved thermal

Even the standard version has windows with excellent thermal insulation



Improved security

The PVC-U profiles can be reinforced with security hardware and additional burglar resistant measures without any problems



Improved sound

Combined with high-quality sound-insula ting panes, the Kömmerling 76 centre sea system offers optimal noise protection of up to 47 dB.



Improved stability

High-quality steel reinforcements provide perfect window statics. In the AluClip Prodesign, this is ensured by the aluminium functional shell, which also reduces the weight.



Improved easy care

The surfaces of the PVC-U profiles are extremely weather resistant and easy to clean.



Improved handling ease

The innovative fittings technology makes opening and closing the windows and doors effortless



Improved ventilation

A sophisticated ventilation program ensures a cosy living climate.



Improved lasting value

The high quality of all components and the use of high-quality, eco friendly plastics in accordance with greenline principles ensure long-lasting solutions. This increases the value of your property in a sustainable way.



THE BEST CLIMATE FOR YOUR HOME THANKS INNOVATIVE TECHNOLOGIES

The CS-76 has its eye on the future. This window and door system combines the most cutting-edge technologies currently available for PVC-U windows. The flexible modular principle, for example, is groundbreaking. This allows you to put together exactly the window solution that is ideal for you and your budget.

SLENDER DIMENSIONS, QUICK INSTALLATION

The slim profiles are already innovative, even providing the basis for triple glazing with modern insulating panes. Convenience is a priority: Thanks to intelligent fastening techniques, CS-76 elements can be installed quickly, cleanly and without great effort. Replacing old windows can also be done quickly.

HIGH THERMAL INSULATION VALUE

Even the standard design of CS-76 is impressive with an excellent thermal insulation value of U_f value up to $1.0 \text{ W/(m}^2\text{K)}$.

HIGH DIMENSIONAL STABILITY

Cleverly designed contact points keep the steel reinforcement in the correct position.

GROUNDBREAKING CHAMBER CONSTRUCTION

The chambers in the PVC-U profile have been developed using the very latest computational methods. The result: High thermal and sound insulation as well as optimum stability of the profile and high load-bearing capacity, even with heavy glass.

SAFE FUNCTIONALITY

The CS-76 can take a lot thanks to its intelligent features. The load-bearing hardware is screwed through several profile walls. Furthermore, there is additional thickness due to special bolting cams in the main load zones.

WIDE RANGE OF GLAZING VARIANTS

You can choose between different 50-millimetre thickness glazing, whether as triple glazing or as special functional glazing such as thermal insulation glass, safety glass or sound-insulating panes.

FLEXIBLE, CLEAN INSTALLATION

Windows and doors of the CS-76 series can be fixed with mounting dowels through steel, with classic fixing brackets or a special dowel chamber in the PVC-U. Installation is quick, clean and safe.





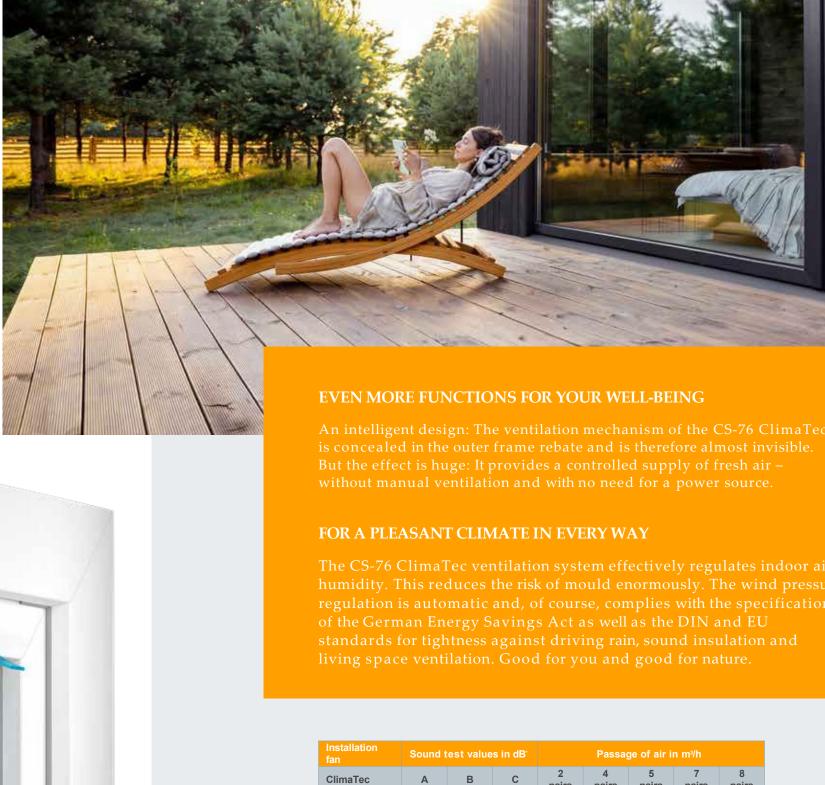
BREATHE

CS-76 ClimaTec

Our homes are becoming better insulated – in fact both an advantage and a challenge at the same time. This is because inadequate ventilation causes the relative air humidity to rise, creating not only an uncomfortable climate, but also encouraging the growth of mould, which can attack the building fabric, for example. However, if you ventilate too often, you are essentially blowing energy out the window and polluting the environment.

But there is a sustainable way to do it: With ClimaTec. Even without active ventilation, it ensures a fully automated controlled supply of fresh air with minimal heat loss. And the only thing that takes your breath away is the beautiful view.

- Self-regulating, easy-to-clean ventilation system
- Minimises high air humidity and the risk of mould
- Ensures a controlled supply of fresh air
- Protects against insects thanks to integrated ventilation grille
- Almost invisible from the inside and outside, as CS-76 ClimaTec is concealed in the outer frame
- Automatic wind pressure regulation
- Complies with the German Energy Savings Act
- Tested sound insulation up to 43 dB (SSK4)
- Tightness against driving rain and passage of air as per DIN and EU standards
- Ventilation as per DIN 1946-6



Installation fan	Sound test values in dB				Passage of air in m³/h				
ClimaTec	Α	В	С	2 pairs	4 pairs	5 pairs	7 pairs	8 pairs	
250/200	37	41	41	3	4	5	6	6	
300/250	37	41	40	3	5	5	7	7	
350/300	37	39	39	4	5	6	7	8	
350/350	34	37	37	5	7	8	9	10	
400/350	34	36	35	5	8	9	10	11	
400/400	32	33	33	6	9	10	12	12	
1 fan	38	43	43	2	3	4	5	5	

*Pane structure: A) 6/16/4/14/4 (36–37 dB) B) 8 composite security glass S1/12/6/12/8 composite security glass S1 (45 dB) C) 12 composite security glass S1/20/8/20 composite security glass S1 (48 dB)

LIVE IN COMFORT WITH A GUARANTEE OF FRESHNESS

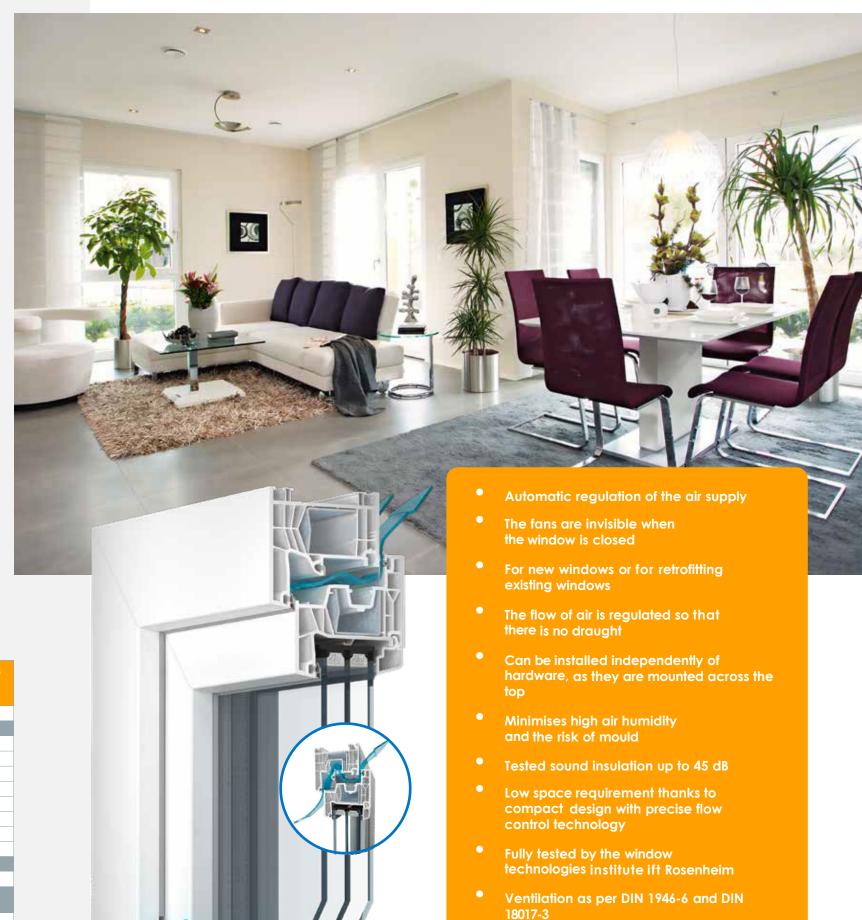
CS-76 ClimaTec Plus

The CS-76 ClimaTec Plus self-regulating window rebate ventilators are ahead of the pack. Without any manual ventilation and even when the windows are closed, they ensure a controlled supply of fresh air. They are also visually highly impressive, since the window rebate ventilators are available in light grey or black. This means they remain almost invisible when the window is open.

WORTH KNOWING FOR PLANNERS AND ARCHITECTS

- Window rebate ventilators replace the sash overlap seal and are mounted in the upper area of the window sash.
- The number of fans (maximum three) depends on the required air quantity and sound insulation.
- Air flows via the window rebate, the space between window sash and outer frame. The outer frame seal is replaced with replacement seals in certain places. This allows the air to flow into the window rebate due to pressure differences and further into the room interior via ClimaTec Plus.
- The centre seal in the upper area is notched to the fan length. The innovative flow control technology of the regulating flaps ensures sensitive airflow regulation. This limits the flow of air under high wind loads and prevents draughts.

ClimaTec Plus		Variant 1 single	Variant 2 double	Variant 3 triple	Variant 4 single acoustic	Variant 5 double acoustic	Variant 6 triple acoustic	
Test report no.	8_001463_PR13 (see GAS: 18_001463_PR14)							
	(Pa)	Air m³/h						
	2	2.2	4.5	5.4	2	3.1	3.3	
	3	2.8	5.5	6.7	2.5	3.9	4.2	
	4	3.3	6.4	7.8	3	4.6	5	
	5	3.7	7.2	8.8	3.4	5.2	5.8	
Air volume flows	6	4.1	8	9.8	3.8	5.8	6.4	
	7	4.5	8.6	10.6	4.1	6.3	7.1	
	8	4.8	9.3	11.4	4.4	6.8	7.7	
	10	5.8	10.4	12.8	5	7.8	8.8	
Tightness against driving rain		Class						
A		9A	8A	5A	6A	7A	4A	
Pane structure (Window value without fan in dB)		Airborne sound insulation/test value in dB						
4-16-4 (24 mm/34 dB)		34	31	29	34	33	32	
8-16-4 (28 mm/39 dB)		38	33	31	38	36	35	
12 SI-20-8-SI (40 mm/47 dB)		42	34	32	45	39	37	
8-12-4-12-4 (40 mm/40 dB)		39	33	32	40	37	36	
10-14-4-14-6 (48 mm/42 dB)		40	33	32	41	37	36	



COLOURFUL DIVERSITY, GREAT EFFECT

Windows and doors lend a building a sense of character. Colour of the PVC-U profiles, materials, shapes and sizes – you can play around with them to give your building or your apartment a distinctive touch.

The CS-76 is a real inspiration for this, whether for new buildings or renovating historic buildings. How about windows that blend seamlessly into the façade design? Or striking solutions that say: "Look, here I am"? All this is possible thanks to a wide range of colour schemes.



ELEGANT WHITE

PVC-U white is the classical design par excellence but is also delicate. CS-76 windows and doors are made of high-quality PVC-U, which is characterised by extreme weather resistance. This keeps the smooth, glossy surface of the PVC-U profiles looking beautiful for a long time. Practical for everyday life: The win-dows and doors are extremely easy to clean.



LAMINATION IN PLAIN COLOURS

Vibrant red, delicate blue, elegant dark grey: With laminated solutions, you are spoilt for (colour) choice. However, the plain-coloured versi- ons have one thing in common with the white variants: They are also highly weatherproof and easy to clean.



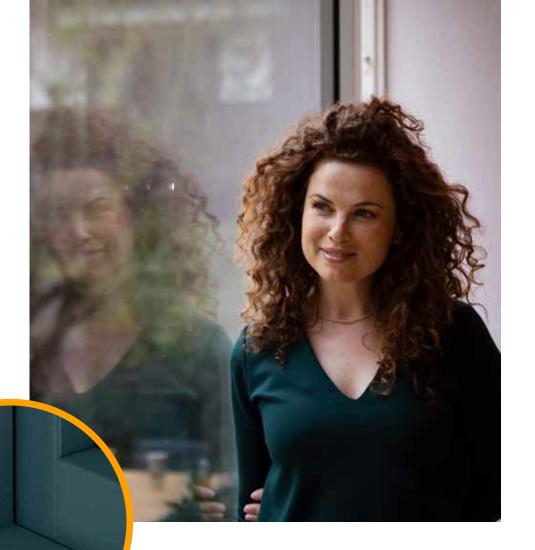
WOOD GRAIN LAMINATION

Lamination with wood grain kills two birds with one stone. They give your home a cosy feeling of a traditional house and yet are multifunctional because the windows are made of durable PVC-U. This saves the need for regular repainting, as is necessary with wooden profiles.



ALUMINIUM AND PVC-U: THE PERFECT DOUBLE ACT







PVC-U and aluminium are the perfect pair in our CS-76 window and door. PVC-U is also a permanent fixture in this partnership of materials: On the other side of the profile, it ensures optimum thermal and sound insulation as well as high functional reliability.

Aluminium looks elegant, is extremely weather resistant and robust. At the same time, the material is impressive thanks to its stability and ease of care. With aluminium, you can also really revel in colours. This is because it can be coated with powder finishing in RAL colours or anodised in the shades of your choice. The result is energy-efficient window solutions that are also pleasing to the eye.



AluClip

The AluClip variant combines PVC-U profiles, which guarantee optimal insulation values with an elegant aluminium design in an almost unlimited variety of colours.



AluClip Pro

On the AluClip Pro, the aluminium profile is bonded to the PVC-U profile. The aluminium takes on the static function, meaning that steel reinforcement within the window sash is not required.



AddOn

As you like it: On request, your CS-76 window solutions can be equipped with additional shutter systems and sunshades. In combination with the additional pane, this means greater thermal and sound insulation and the- refore even better energy efficiency.





COLOURS WITH A PROTECTIVE EFFECT

AcrylColor

Our AcrylColor offers a range of colours and a protective shield at the same time. The principle: Thanks to a heat treatment process, the acrylic is inseparably bonded with the PVC. This ensures that the window profiles remain colourfast for a long time. They also have high scratch resistance, are easy to clean, weather resistant and virtually maintenance-free. Another advantage: AcrylColor profiles are 100% recyclable.



THE CLEVER FINISHING

proCoverTec

dirt particles.

Aesthetically and functionally compelling – that's our uni- que surface technology proCoverTec through and through. The slightly structured surface results in a pleasant feel. This is extremely tight, homogeneous and therefore very durable. In addition, proCoverTec surfaces are very suitable for all occasions: They protect the

PVC-U profiles to the max and reduce adhesion of

While the indoor side always remains neutral white, there is a wide range of plain and metallic colours to choose from for the outer finishing. However, one thing is always the same: The satin look of the surfaces has a highly refined effect.

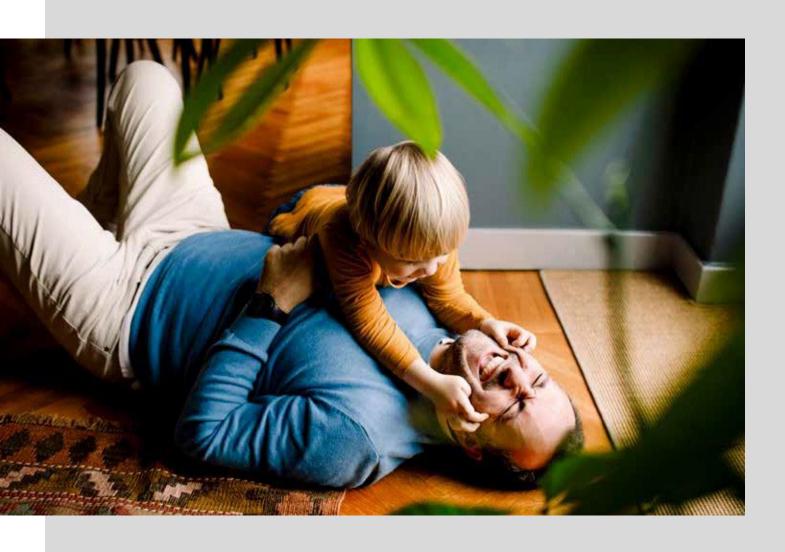




AS FLEXIBLE AS YOUR LIFE

Residential doors in the same look

Pioneering functionality, a standardised look throughout the house and customised design options – that's what our comprehensive CS-76 window and door systems have to offer. Whether you prefer discreetly understated or expressively colourful window and door solutions, you've come to the right place.





SAFE AND DECORATIVE

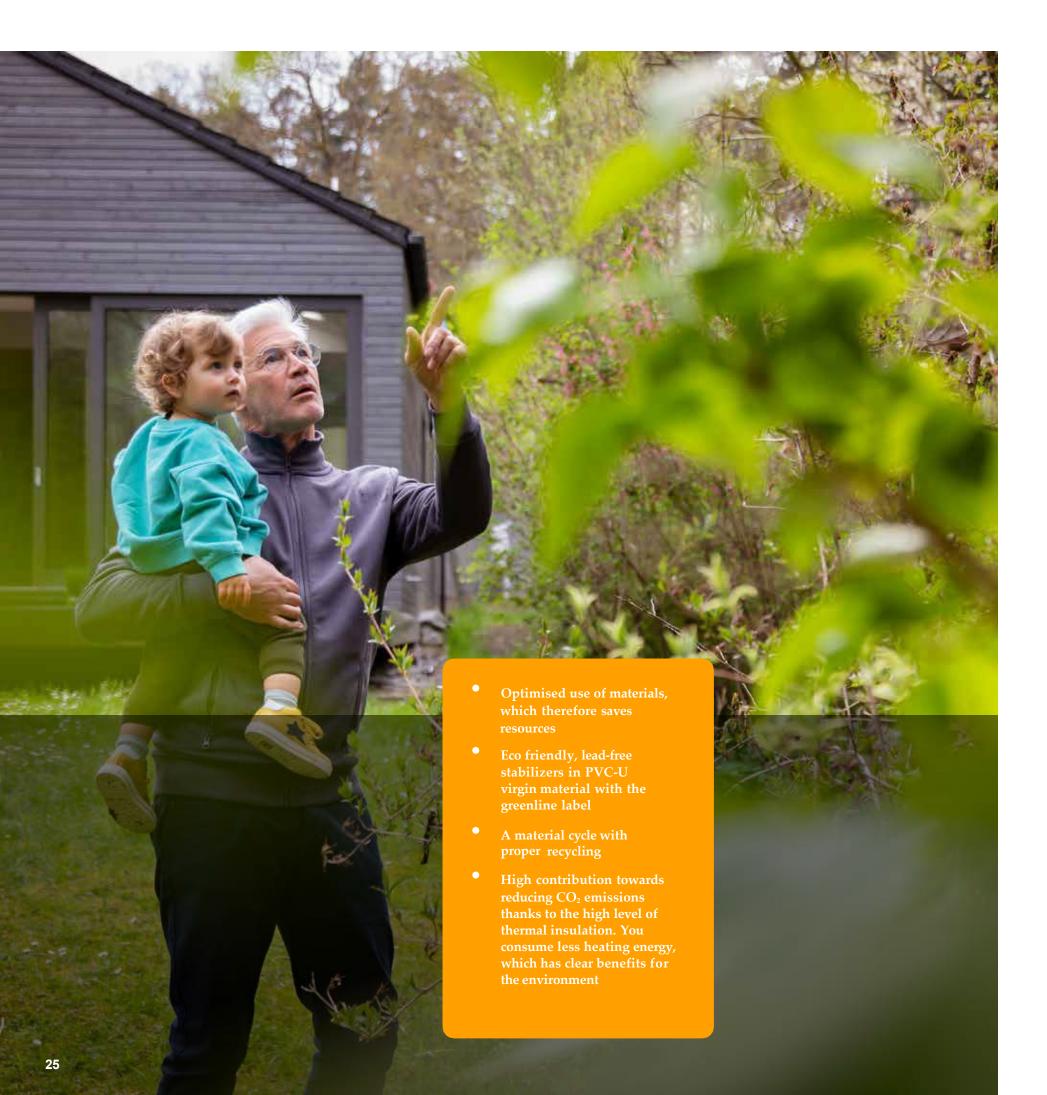
Burglar-proof front doors, which you can also design to your tastes, provide additional security. As far as the look is concerned, it's up to you: Do you prefer modern functional glazing available in numerous surface patterns and colours? Or would you prefer glazing with LED effect lighting? Patterned glazing? Further alternatives are offered by the extensive prefabricated paneling selection from renowned panelling manufacturers.

AT A GLANCE

- Broad product diversity: House, balcony and terrace doors, parallel sliding-tilting doors
- High burglary protection up to resistance class RC 2 (MC 2)
- Maximum dimensioned steel reinforcement and welded corner connectors for greater stability
- Maximum sash sizes: Single-leaf residential door 1200 x 2400 mm Double-leaf residential door 1000 x 2400 mm
- Use of special functional glazing or commercially available residential door panelling up to 50 mm thickness
- High level of tightness thanks to double sealing for thresholds
- Perfect protection against driving rain and wind
- **Excellent thermal insulation**
- Wide design spectrum: PVC-U white, foils in uni and metallic colours, smooth or grained, foils in wood grain, AcrylColor and aluminium shells AluClip







CLIMATE PROTECTION THAT YOU ENJOY EVERY DAY

Think about tomorrow today: This is a principle that has guided us in the design and structure of our CS-76 window and door system. What does this look like? For example, in carefully considered functions, outstanding insulating values and efficient use of materials. In practice, this means: You can enjoy user-friendly, elegant windows and doors that protect valuable resources.

SUSTAINABLE PCV-U WINDOWS: NO LONGER THE STUFF OF DREAMS

All our CS-76 windows and doors are made of a PVC-U with the greenline label. For us, sustainability starts at the beginning – with the raw materials. For almost two decades we have abstaining from all lead-based stabilisers in the PVC-U virgin material. And at the end of a life cycle, old windows become components for new windows again.





COME ON IN – WELCOME TO A BEAUTIFUL FUTURE

Visions only come to fruition through action. This is exactly what the CS-76 is designed for, whether you are building or renovating. When you choose these innovative windows and doors, you can look to the future with confidence: You can rely on high quality, longevity of all components and absolute energy efficiency. This not only reduces your costs but also increases your comfort of living – and even the value of your property. In this way, you create a foundation for future generations that is both sustainable and expandable. Let the future come.



- High energy savings and cost savings thanks to new highly insulating
 76 mm system
- Improved quality of life thanks to perfect sound insulation
- Improved security thanks to integrated burglary protection
- Easy to clean due to robust, weather-resistant surfaces
- Of lasting value thanks to durable, high-quality design
- Improved handling ease and reliable functionality with state-of-the-art technology
- Sustainability thanks to thermal insulation, climate protection and longevity



PERFECT FUNCTIONALITY FOR DREAMLIKE VIEWS

The sliding system with comfort

The MS-76 opens all kinds of possibilities for harmoniously integrating windows and doors into the facade. The sliding system is impressive with outstanding performance and progressive properties.

Whether with a PVC-U casement or a combined outer frame made of PVC-U and aluminum, MS-76 can be manufactured in both variants. With its construction depth of 76 millimetres, the sliding system proves itself not only in homes, but also in public buildings such as schools or offices. ECO SLIDE, the user-friendly sliding fitting from our cooperation partner Siegenia, ensures perfect functionality. The MS-76 also sets new standards in terms of sustainability: Thanks to excellent insulation, the system achieves the best energy saving value in its product class.

- HIGH THERMAL INSULATION VALUE
- Excellent energy saving properties: Even in the standard version, the MS-76 achieves a U_f value of up to 1.4 W/(m^2 K).
- STABLE GLAZING

Triple glazing with a thickness of up to 50 mm.

FUNCTIONALITY

The maximum dimensioned steel reinforcements and the welded corner connectors ensure functional reliability and high statics.

ELEGANT DESIGN

In both the fixed and sliding parts, the MS-76 is characterised by a slender profile sight line.

• INNOVATIVE TECHNOLOGY

The design is based on the CS-76 system, combined with the user-friendly and nonwearing ECO SLIDE hardware system.

• EFFECTIVE VENTILATION

The ECO SLIDE carriage provides the basis for individual gap ventilation.

- Space-saving opening
- Large glazed areas
- Wide design spectrum
- Effective ventilation





EASY OPERATION THANKS TO CLEVER TECHNOLOGY

ECO SLIDE the high-quality sliding fitting from Siegenia

Easy to open, damped braking, smooth closing – that's how the MS-76 works thanks to the smooth-running carriages of the sliding hardware ECO SLIDE. This is because these absorb the stopping movement of the sashes by means of a sideways movement, providing a gliding guide. Shortly before reaching the end position, the sash is braked by the SOFT CLOSE damper and then pulled into the closed position as if by itself. This not only protects the sliding elements but also protects small and large hands from injury.



- Versatile: For practical sliding windows and lightweight sliding doors
- User-friendly operation: For a smooth and nonwearing locking movement
 - Can be combined with the SOFT CLOSE damper: For smooth sliding into the fastening position











MS-76 Standard laminated with PVC-U frame



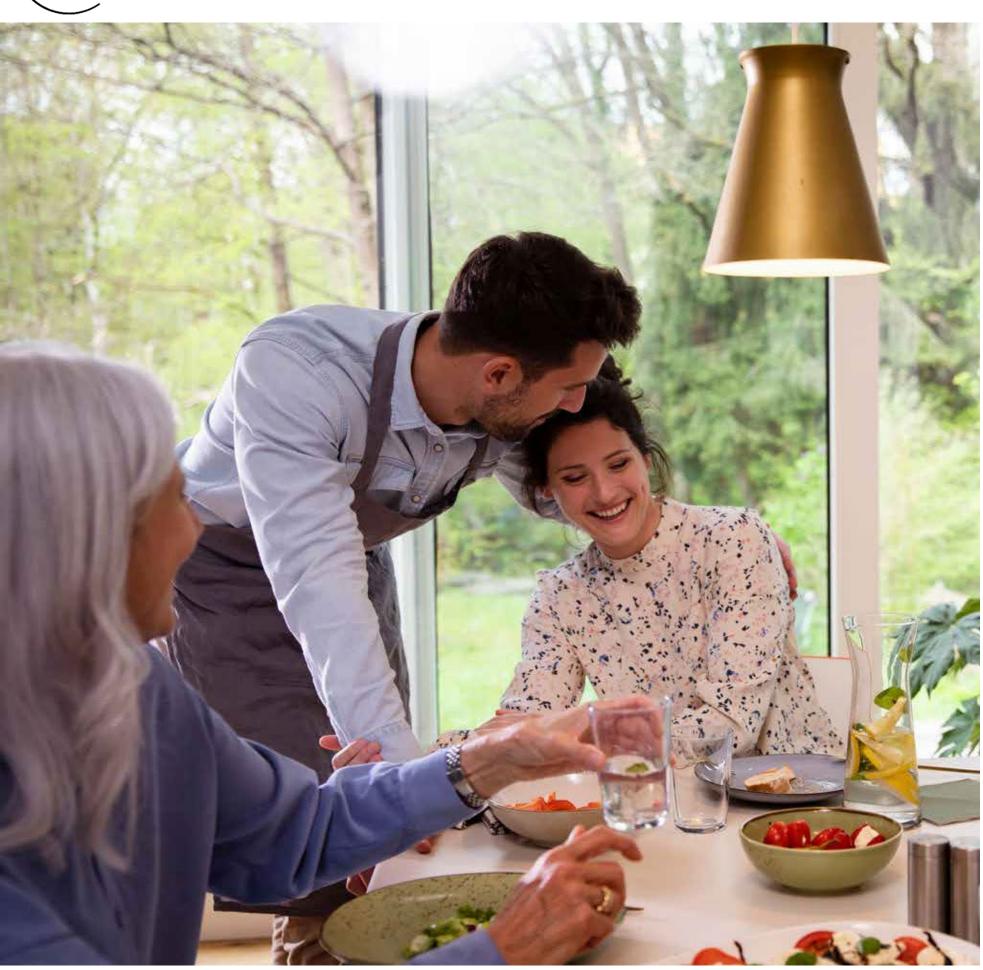
MS-76 AluClip with PVC-U frame



MS-76 Standard laminated with combined outer frame made of PVC-U and aluminum



MS-76 AluClip with combined outer frame made of PVC-U and aluminum



WELCOME THE SUN INTO YOUR HOME

Bright living spaces flooded with light – a dream within reach at any time: With our lift/sliding system LS-76. Recharge your batteries with a view into nature or enjoy the expanse of the urban skyline. Anything is possible, because LS-76 creates generous glazed areas that integrate the outside into your four walls. Good to know: The system is barrier- free, impresses with maximum handling ease and ensures high thermal insulation. In addition, the profiles are recyclable and made of eco friendly PVC-U. The result is sustainable lift/sliding door solutions, perfect for new buildings and renovations.

AT A GLANCE

- Barrier-free thresholds
- Tall installed heights and glazed areas
- High level of incoming light and thus more heat recovery
- User-friendly operation when opening and closing
- Sustainable, recyclable system solution made of eco friendly, lead-free PVC-U profiles



MS-76

GIVE LIGHT MORE SPACE

LS-76 and LS-76 Lux

Are maximum thermal, sound and burglary pro- tection important to you? Then the lift/sliding door system LS-76 is perfect for you. You can choose between two variants: The classic LS-76 design, which already offers high thermal insulation. Or you can opt for LS-76 Lux with even more incoming light.

LOOK ON THE BRIGHT SIDE

LS-76 Lux

Are you looking for more? More transparency, more incoming light, more heat gain? The LS-76 Lux is perfect for you. Thanks to its sophisticated design, the sash profile is exceptionally slender in the fixed glazing. This creates particularly generous glazed areas that let in even more sunlight, therefore providing additional heat gain.

PremiDoor 76 PremiDoor 76 Lux					
\bigcirc	Maximum installed height of 2.60 m	1 🗸			
\bigcirc	Glazing options up to 52 mm	\bigcirc			
\bigcirc	Optimum thermal insulation already in the standard $U_{\rm f}$ 1.4 W/(m^2k	()			
\bigcirc	Burglary protection up to security standard RC 2	\bigcirc			
\bigcirc	Barrier-free threshold	\bigcirc			
	Significantly more incoming light thanks to reduced sash profile	\bigcirc			



/IS-76 Lux



PERFECT VIEWS, WONDERFUL PROSPECTS

The LS-76 opens a wealth of design possibilities for you - thanks to a wide range of colours and materials. The palette ran- ges from classic PVC-U white, high-quality foiled solutions and AluClip aluminium shells to AcrylColor and proCoverTec.







THE UNBEATABLE DUO

Aluminium cladding AluClip

The AluClip aluminium cladding gets even more out of your LS-76 solution. The combination of PVC-U profile and aluminium ensures an easy-care, elegant and cost-effective solution for you to enjoy for a long time. The particular advantage: In addition, the AluClip version offers aunlimited choice of colours.



COLOURS WITH A PROTECTIVE EFFECT

AcrylColor

AcrylColor offers colour diversity and a protective shield at the same time on the outside of your LS-76. The principle: Thanks to a heat treatment process, the acrylic is inseparably bonded with the PVC-U of the profile. This ensures that the window profiles remain colour- fast for a long time. They have high scratch resistance, are easy to clean, weather resistant and virtually maintenance-free. Another advantage: AcrylColor profiles are 100% recyclable.







INNOVATIVE SURFACE TECHNOLOGY



proCoverTec – protected by colour

An innovative surface technology that can do more than just be colourful: proCoverTec gives a satin look and slightly textured feel. In addition, proCoverTec is UV and infrared light resistant as well as dirt repellent. In short, it's the perfect combination of effective protection and decorative colour.

COLOUR VARIETY AND YOUR POSSIBILITIES

Prem	PremiDoor 76 PremiDoor 76			
\bigcirc	Classic PVC-U white	\bigcirc		
\bigcirc	Laminated in wood grain	\bigcirc		
\bigcirc	Laminated in plain colours	\bigcirc		
\bigcirc	Laminated in metallic colours	\bigcirc		
\bigcirc	AluClip	\bigcirc		
\bigcirc	Kömmerling AcrylColor			
\bigcirc	proCoverTec	\bigcirc		



OPENING MODES



SYSTEM A, DIN left

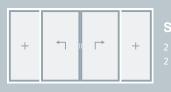
1 lift/sliding sash

1fixed name





2 lift/sliding sashes 1fixed pane



SYSTEM C
2 lift/sliding sashes



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