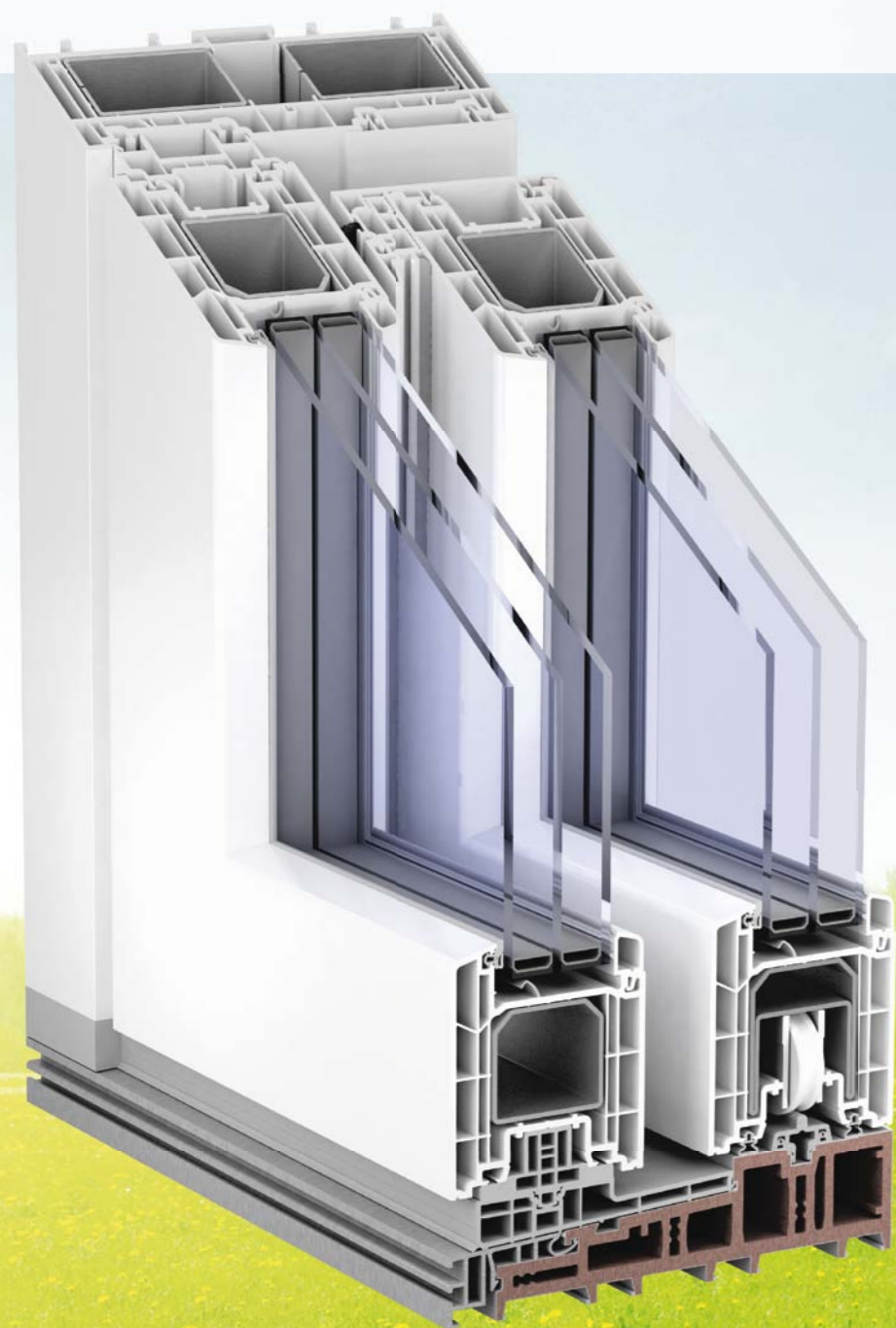


» **Maximum technical values and optimal economy.**

PremiDoor 88 provides the perfect balance between static properties and thermal insulation. Elements up to 2.90 m high and a heat transfer coefficient of  $\leq U_f 1.3 \text{ W}/(\text{m}^2\text{K})$  in the standard design make possible a transparent architecture with large glazed areas. An optional  $U_p$  value of max  $0.8 \text{ W}/(\text{m}^2\text{K})$  is also possible.



**profine GmbH**  
TROCAL Profilsysteme  
53839 Troisdorf  
Telefon: 02241 9953-0  
Telefax: 02241 9953-3561  
Internet: [www.trocal-profile.de](http://www.trocal-profile.de)  
E-Mail: [info@trocal-profile.de](mailto:info@trocal-profile.de)

**TROCAL®**  
Always good for new ideas.

Änderungen vorbehalten. Bestell-Nr. 4 01 PR6009 – 0312.KE



**TROCAL PremiDoor 88.**  
The lift/sliding door system.





PremiDoor 88 lets you experience an all new feeling for living. Whether green nature or urban skyline – large glazed areas remove the borders between inside and outside. PremiDoor 88 is an all new design of lift/sliding door. With the maximum opening and closing convenience, excellent insulating values, and aesthetic architectural elegance.

# The new dimension.

Unique perspectives. Superior technology.



# A leader down to the detail.

The lift/sliding door by TROCAL.



## Easy to open as if sliding on air.

The fresh, scented air of spring. Let it in. PremiDoor 88 features an innovative mechanism that opens as if sliding on air. The large glazed area slides open easily with a whisper. Vitalising air flows in for a natural feel good climate.



## Large installed heights.

Friendly, bright, flooded with light – PremiDoor 88 lets you enjoy the whole panorama of summer. The stable design allows glazed areas extending from floor to ceiling with elegantly slim sight lines. Your living space therefore presents the greatest possible openness with an ambience of bright light.



## More cosiness.

The innate values of PremiDoor 88 come to bear when the autumn storms start brewing. Here, the premium quality is also manifested by the innovative gasket system of perfectly matched levels. This ensures imperviousness to wind, driving rain, and outside noise. You can then enjoy in all comfort the spectacles of nature taking place before your very door.

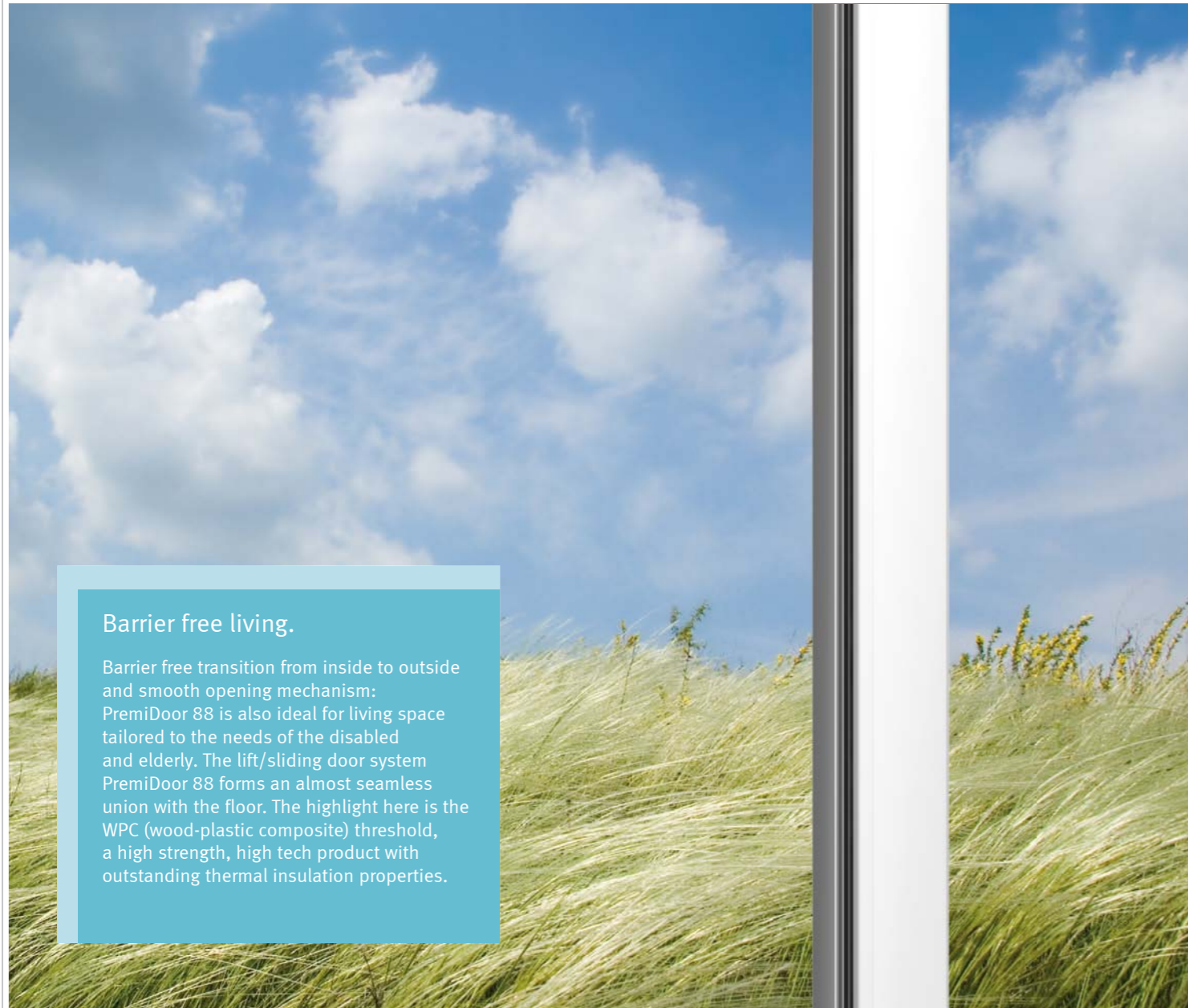


## High energy savings.

Large glazed areas, and yet highly energy efficient? PremiDoor 88 makes this possible with its new thermal insulation technology. Compared with conventional systems, the thermal insulation properties of this profile system could again be enhanced by up to 32%. This means in winter valuable savings in heating energy and the protection of the environment.



# Easy to open as if sliding on air.



## Barrier free living.

Barrier free transition from inside to outside and smooth opening mechanism: PremiDoor 88 is also ideal for living space tailored to the needs of the disabled and elderly. The lift/sliding door system PremiDoor 88 forms an almost seamless union with the floor. The highlight here is the WPC (wood-plastic composite) threshold, a high strength, high tech product with outstanding thermal insulation properties.

The appeal of PremiDoor 88 lies not only in the floor to ceiling and wide window areas, but above all in its ability to open this large area to the inside. Inside and outside therefore merge. Despite its weight, e.g. with triple glazing, PremiDoor 88 can be easily opened and closed as if sliding on air. Quite simply without the use of force. With its special materials in conjunction with perfected technology, the lift/sliding door therefore slides with consummate ease.



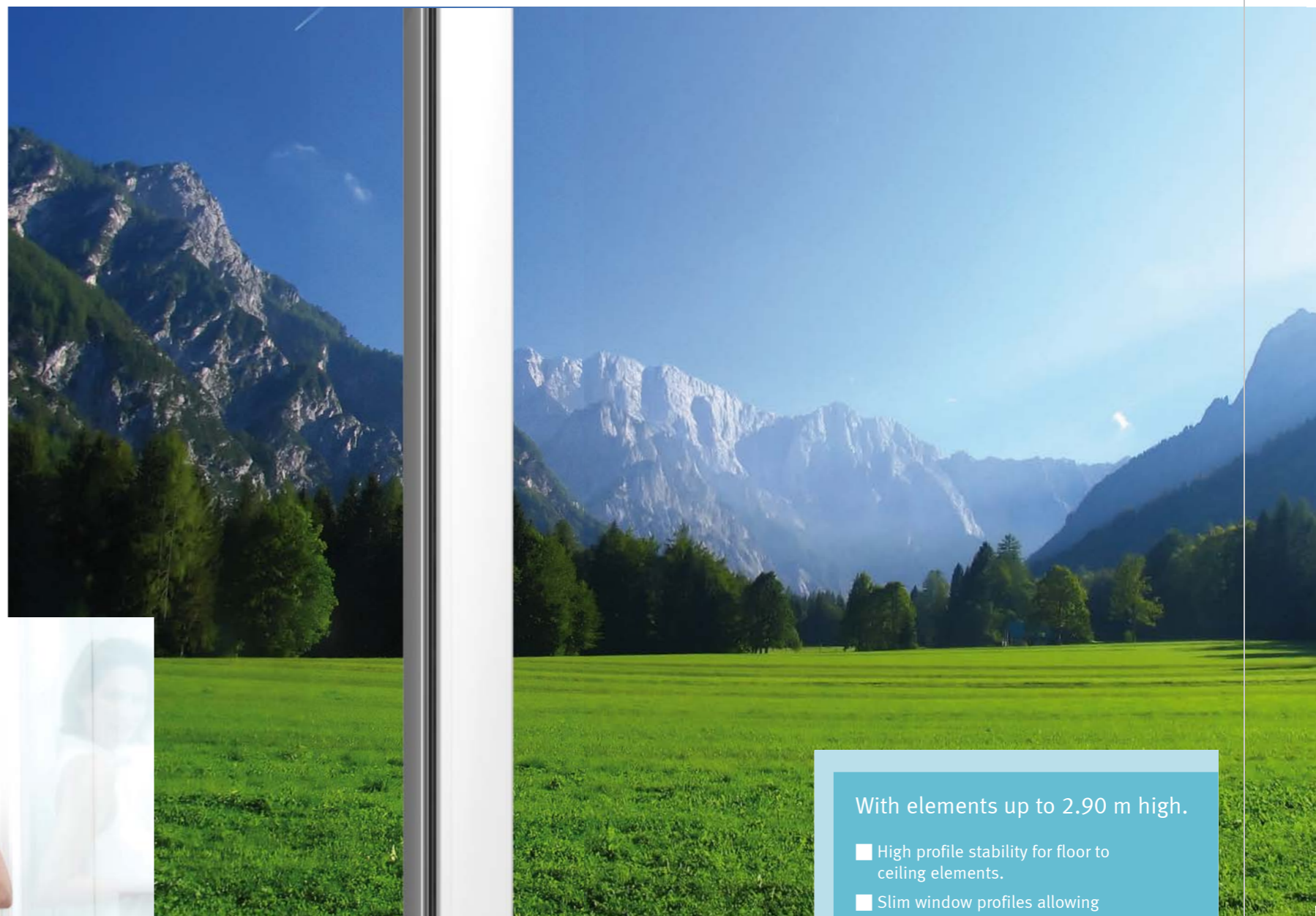
# PremiDoor 88 slides as lightly as a feather.



# Large installed heights.

## » The intelligent 88 mm profile.

There is one sustained trend in architecture: the desire for ever larger, continuous glazed areas and more openness. At the same time, these areas must fulfil the ever more stringent energy saving requirements. In order to fulfil both these demands, PremiDoor 88 consists of the innovative 88 mm profile. This profile system is characterised by its large construction depth promoting a high stability and excellent insulating values. And this with extremely slim profile sight lines. Aesthetic plus energy saving – PremiDoor 88 is redefining the standards.

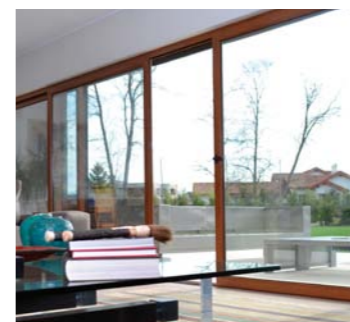


With elements up to 2.90 m high.

- High profile stability for floor to ceiling elements.
- Slim window profiles allowing the greatest amount of light in and providing high solar energy gains.
- High resistance to twisting and torsion.
- Load capacity up to 400 kg (depending on fittings).



Impervious to driving rain, wind, and outside noise – here too, PremiDoor 88 presents a convincing range of outstanding performance properties. For instance, PremiDoor 88 features an innovative gasket technology embodying the perfect interaction of three levels. Furthermore, new materials were used with specific properties for enhancing tightness. The result is a feel good cosiness and a feeling of safe, secure living in your own home.

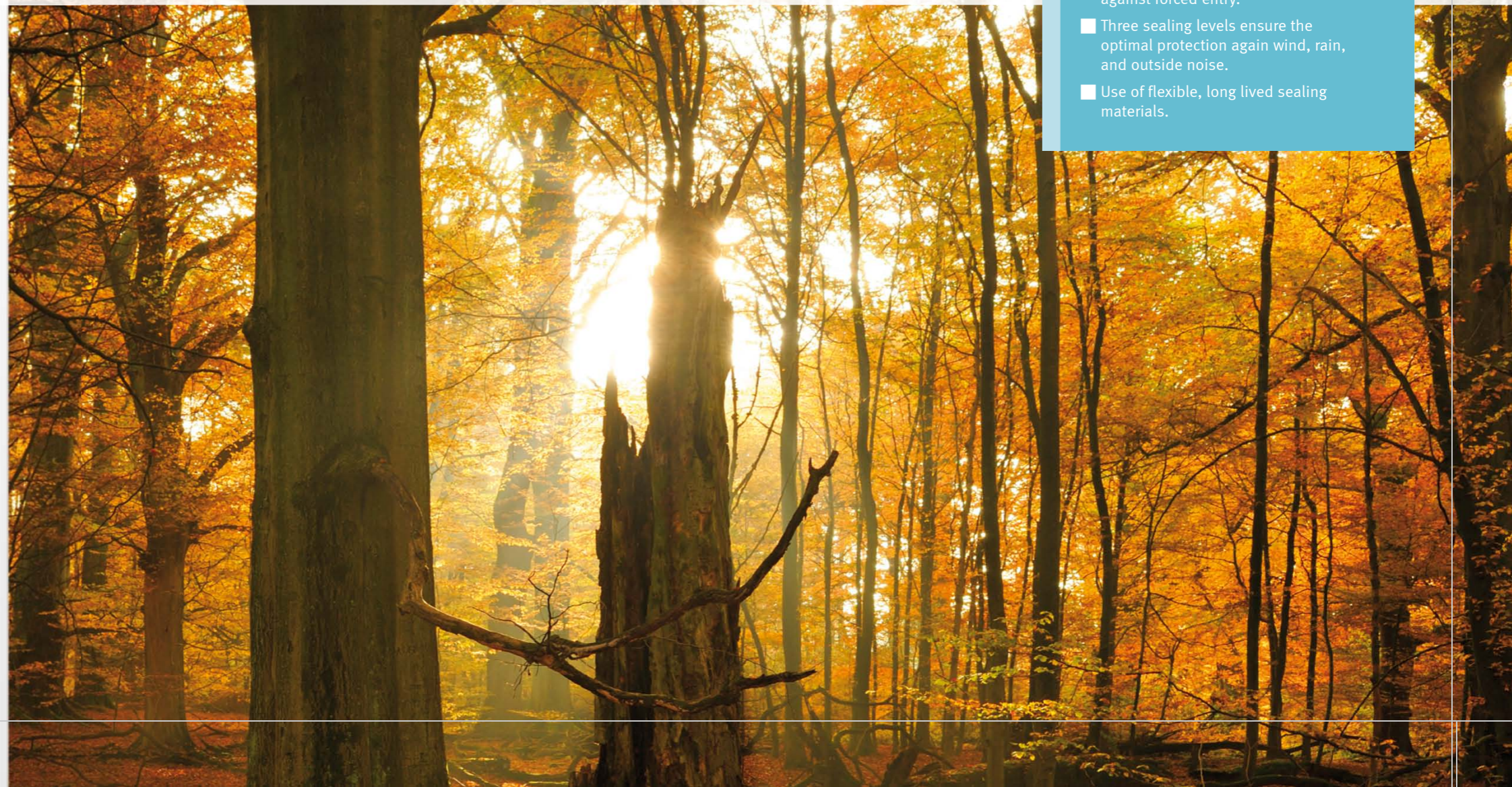
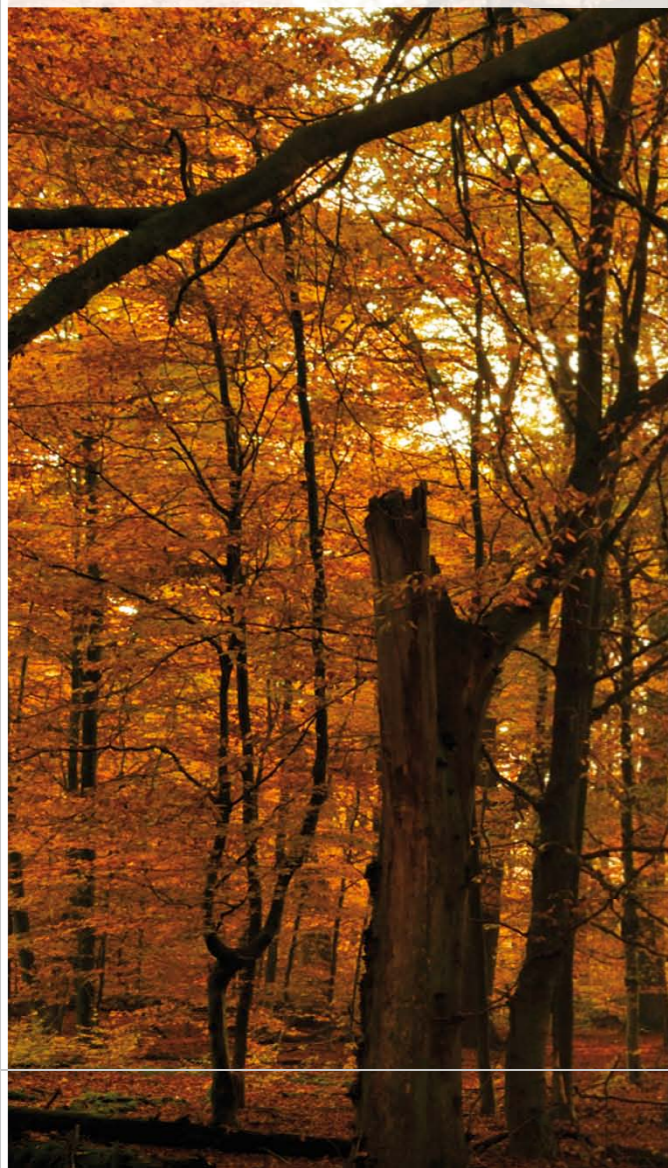


# More cosiness.

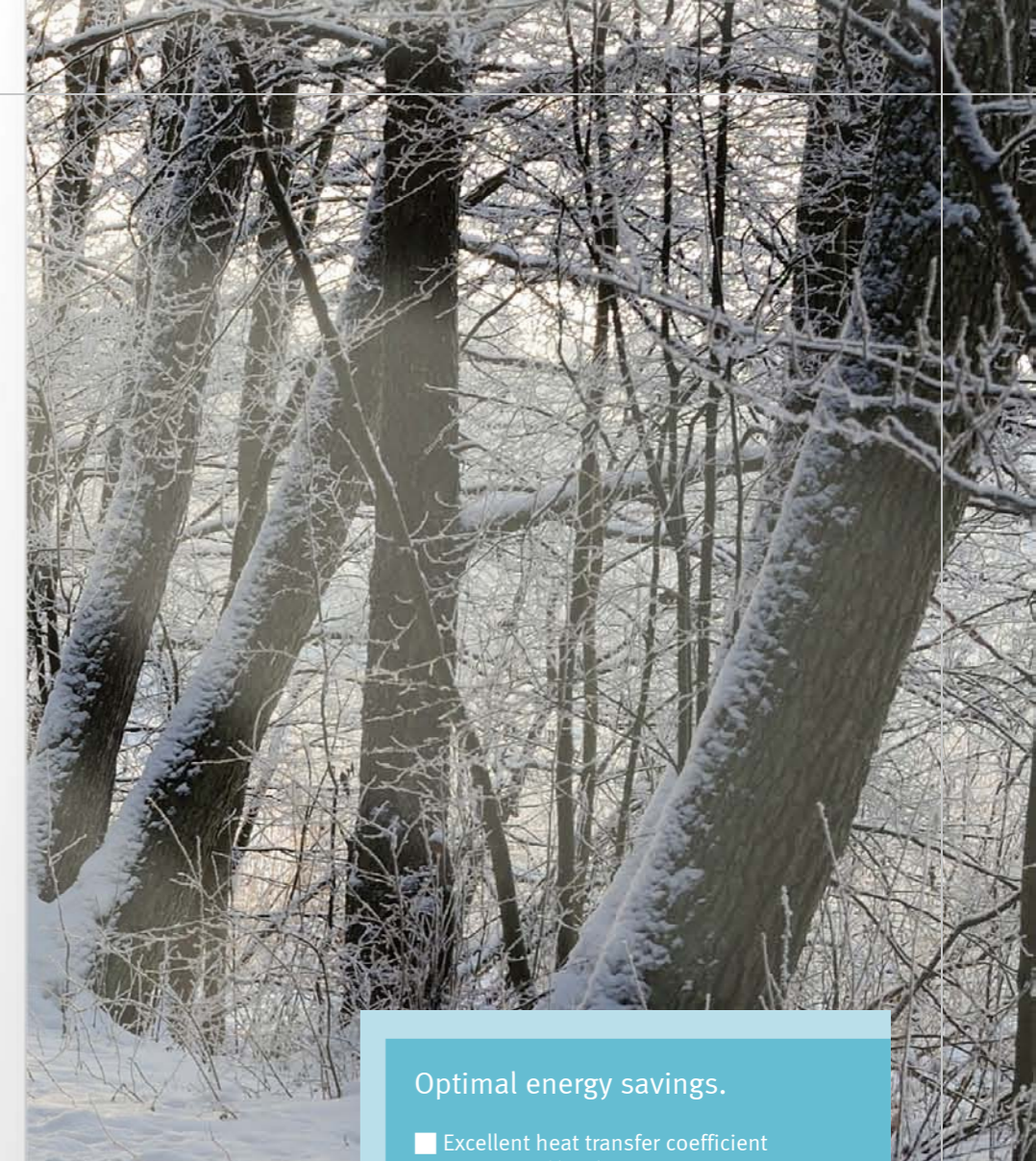
Thanks to a unique gasket system.

## Also soothingly safe.

- When combined with fittings and functional glazing, PremiDoor 88 exhibits a high level of protection against forced entry.
- Three sealing levels ensure the optimal protection against wind, rain, and outside noise.
- Use of flexible, long lived sealing materials.







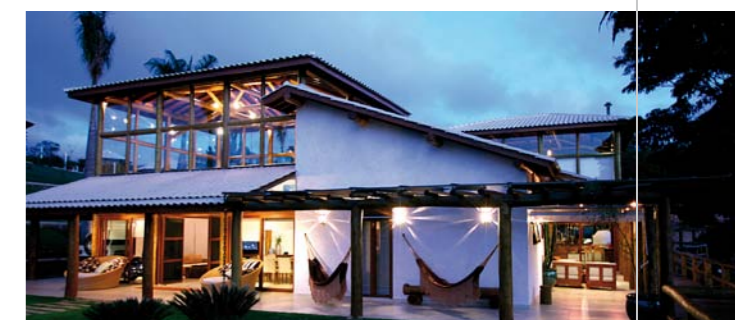
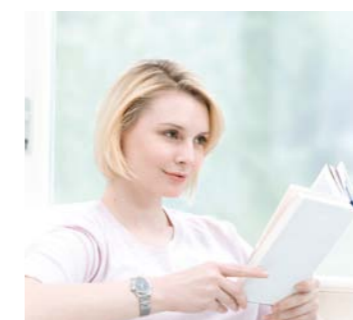
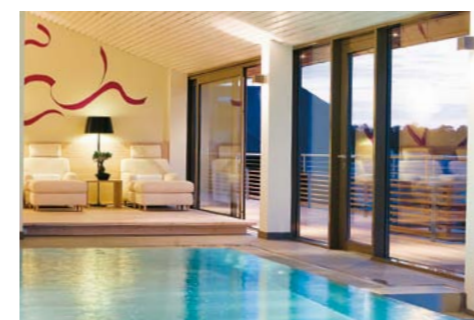
# High energy savings.

Make perceptible savings in your heating costs.

## Optimal energy savings.

- Excellent heat transfer coefficient  $U_t \leq 1.3 \text{ W}/(\text{m}^2\text{K})$ , an optional  $U_d$  value of max  $0.8 \text{ W}/(\text{m}^2\text{K})$  is possible.
- Positive climate balance with clear  $\text{CO}_2$  savings per year.
- Raising and retaining the value of real estate.

Compared with conventional systems, the new lift/sliding door system PremiDoor 88 represents a considerable advance in thermal insulation properties. The new system is up to 32% better in direct comparisons. The optimal isothermal properties are safeguarded by the energy saving multichamber profile and the innovative thermal insulation parts. Also the innovative WPC threshold is a key contribution to the outstanding insulating properties of the overall system. In total, all of these technologies ensure that you can perceptibly cut your heating costs and  $\text{CO}_2$  emissions.







„People cannot live where the earth loses its colour.“



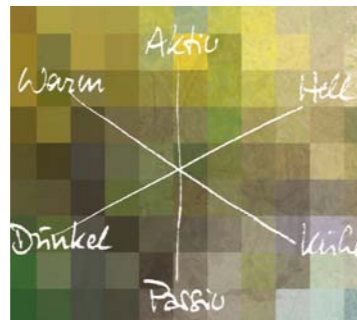
## » Colour compositions from nature.

Friedrich Ernst v. Garnier is a colour philosopher and the founder of organic colour pallets. His colour theory provides the basis for the „Colour Collection v. Garnier“ adopted by TROCAL window and door profiles. Familiar hues taken from nature were used to create a design system that presents facade designs and window colours as a harmonious whole.



# Everything else but superficial.

Design diversity ranging from White to your favourite colour.

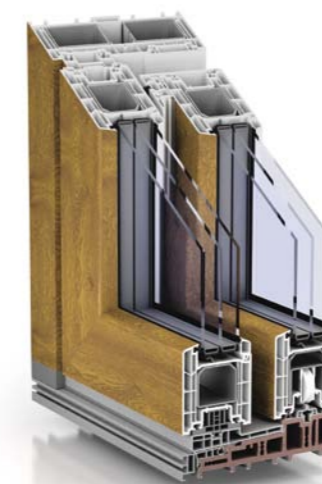


Even though it is discreet, the frame still needs to be the right one. PremiDoor 88 provides you with all of the design potential you need for the optimal realisation of your architectural ideas. From quality aluminium covers in all colours to robust laminations in plain colours and with appealing surfaces. Your choice of colours is supported by the unique design system developed by the multiple international award winning designer Friedrich Ernst v. Garnier.



### Classical White.

White is still the most chosen profile colour. On PremiDoor 88, it harmonises with the design of straight lines.



### TROCAL DecoStyle.

Show your individuality with weather resistant laminates in plain colours (smooth or grained) and natural woodgrains or brushed metal look.



### AluClip.

Easy to clean, resistant, elegant, and economical – these are the advantages presented by the combination of PVC-U profile and aluminium cover. In addition, there is unlimited design potential in the choice of colours.



# Open to the environment.

## » In harmony with nature.

PremiDoor 88 not only lets you integrate the environment in your concept of living. This lift/sliding door system is also on many fronts an exemplary eco champion. In door and window manufacture with PVC-U, lead as a stabiliser was considered to be an indispensable constituent. For many years, TROCAL has proven that there is an alternative with “greenline”. Instead of lead, the PremiDoor 88 profiles are stabilised with eco friendly calcium/zinc. In addition, such foresight has been shown in the design and manufacturer of these profiles, that they can be completely recycled at the end of their lifecycle. We have made it our objective to ensure environmental compatibility and sustainability.



Sustainability is the highest command.

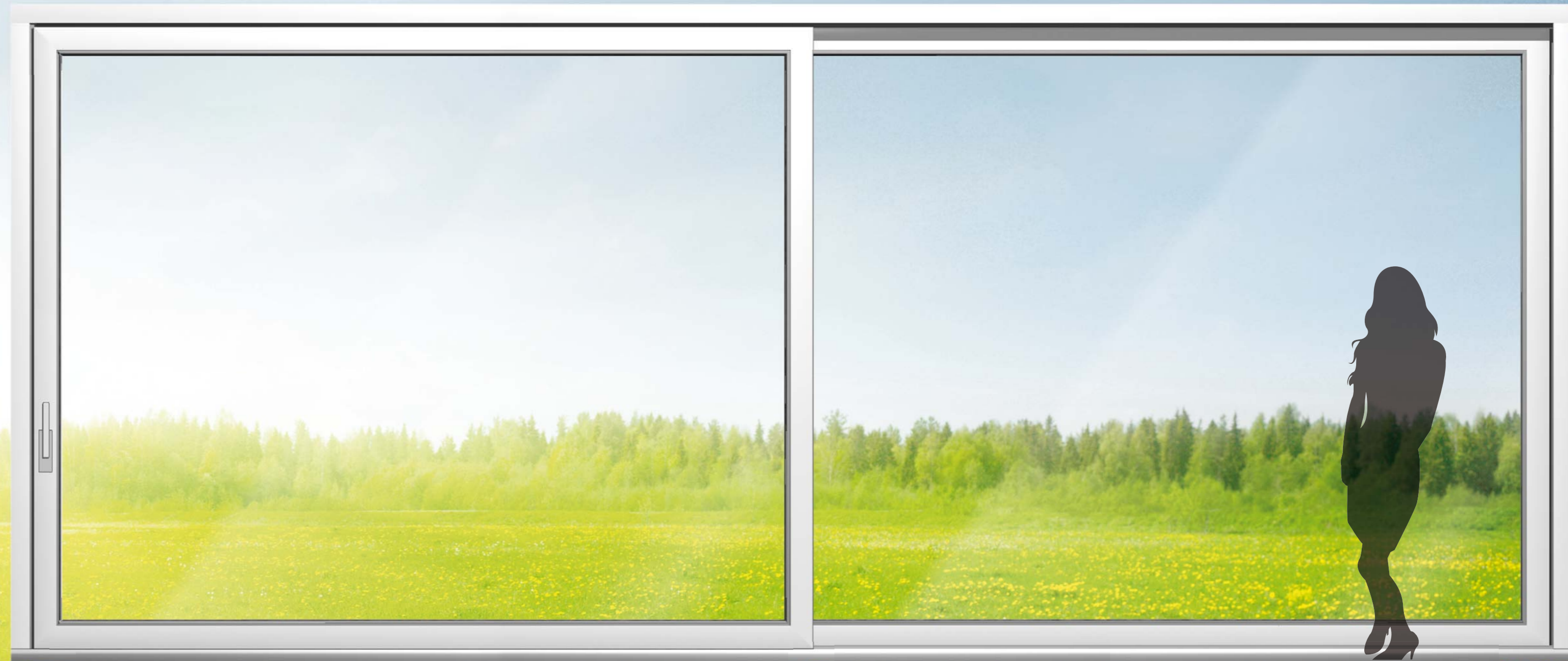
- All PVC-U window profiles are produced with “greenline” – the environmentally friendly calcium-zinc stabiliser instead of lead.
- Proactive environmental protection through consistent recycling and therefore minimised draw on valuable resources.
- Considerable reduction to energy consumption and CO<sub>2</sub> emissions through improved thermal insulation.

**greenline** 



The new dimension.

Unique perspectives. Superior

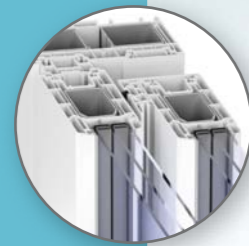




# The advantages at a glance.

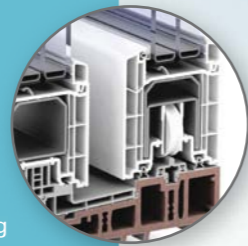
## Elegant design.

- Flush mounted visual appeal between the sash and casement.
- Lamination or aluminium covers and surfaces.
- Elegantly slim sash with 100 mm and casement with 65 mm sight line.
- Backset glazing beads.
- Concealed fastening through installation channels.
- Invisible drainage.



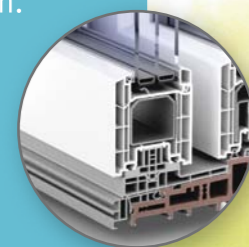
## Innovative system technology.

- Max element height of 2.90 m owing to generously dimensioned steel reinforcements for optimised positive action connections.
- Maximum installation flexibility for inward and outward opening glazing.
- Flexible and long lived gasket materials.
- Nonwearing structured sealing parts for permanent air tightness.



## Optimal thermal insulation.

- Profile construction depth of 88 mm for maximised thermal insulation.
- Five chamber sash and casing profile.
- High thermal insulation WPC threshold.
- Special glazing rebate gasket.
- Centre fastener in triple gasket technology.
- Guide rail with thermal break.



## Variability:



One lift/sliding sash and one fixed pane



Two lift/sliding sashes and one fixed pane



One lift/sliding sash and two fixed panes



Two lift/sliding sashes with floating mullion version and two fixed panes

