

Designed

to perfection



## To the limits of technology

**Introducing a new PVC profile that brings you the perfect balance of performance, design and practicality.**

Zendow presents a new approach in window technology that will let the professional user perform to the best of his abilities, and in turn, provide a solution for any demand of his customers.

Welcome to the solution. Welcome to **zendow**.



●  
Performance



●  
Design



●  
Practicality



**zen**dow has been specifically  
designed to make your life easier



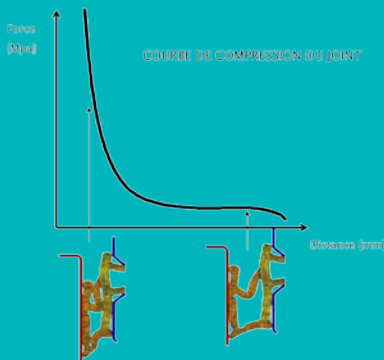
Simply serene

For **zendow**, we have decided to push certain performances to their limits, rendering technology at the service of everyone's well-being.

Zendow is the very latest in reliable, high-performance PVCu systems. It has been developed and tested to provide you with a maximum protection in all its aspects: Protection against acoustic, thermal and weather influences.



## Total protection



### Air and water tightness

#### The sealing concept

Deceuninck created a unique sealing concept with the same passion for detail that goes into all our profiles. The result was a unique, multifunctional seal and gasket which serves both sealing and glazing functions, featuring:

- An optimised geometry, tailor-made to the unique profile concept
- Highly engineered TPE-materials (Thermoplastic Elastomers), meticulously chosen for their specific functionality

Pre-insertion during extrusion, guaranteeing consistent high quality

#### The drainage concept

**zen**dow also features a new concept of the drainage area, ensuring a fluent evacuation of any infiltrated water, consisting of :

- A dry zone protecting the hardware
- A sloped surface with an upstand in the centre that separates any water from the dry zone

A Performance certified by the BBA / BSI ( CSTB, ... )

### Insulation

#### Thermal performance

Because of its natural insulating qualities, PVCu is the ideal material to obtain good results in thermal insulation.

Combined with the 5 chamber concept, **zen**dow performs more than excellently and will comply with the most stringent thermal regulations.

When strength is required above thermal insulation, **zen**dow enables to switch over to the 3 chamber concept without any serious change of the existing fabrication process, equipment or building plans

#### Acoustic performance

PVC in itself already provides the best guarantees in terms of insulation.

Once again, **zen**dow enhances this further, offering the following additional features:

- A 70mm concept that allows you to use acoustic glazing up to 41mm thickness
- A TPE-sealing concept that, because of its maximum overlap between sash and outer frame, forms an exceptional sound barrier



through a certified performance

## Security

### The additional central barrier

Zendow features an innovative central barrier, by integrating a small upstand in the drainage area. It serves as an extra barrier against possible water infiltration and hardware corrosion. What's more, it will render the striking plates less accessible, increasing as such the security against forced entry.

Even after installation, the central pip can be used as a support to clipfit a third seal, rendering Zendow even more performant both in air & water tightness and in acoustic and thermal insulation.

### Anti-burglary protection

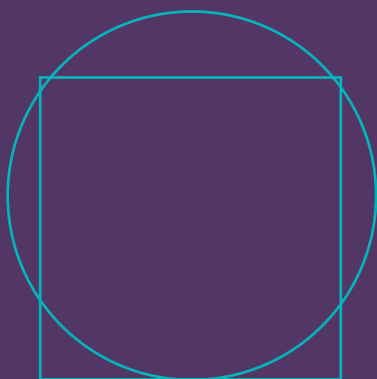
For your complete confidence, Zendow is compatible with all anti-intruder devices on the market while offering these extra security features:

- Ability to screw fix anti-intruder hardware directly into the steel reinforcement.
- Fixing of the striking plates behind the central barrier
- Positive & secure location of the glass, thanks to the 20mm glazing rebates
- A high-end door concept





With **zen**dow, you will bring to the public what is most precious to them, the comfort of well-being



In perfect  
harmony

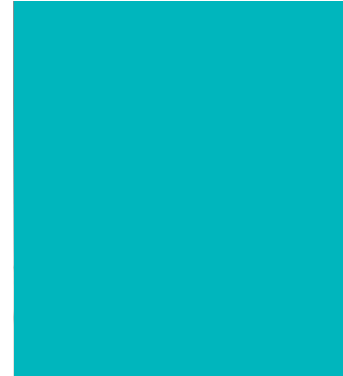
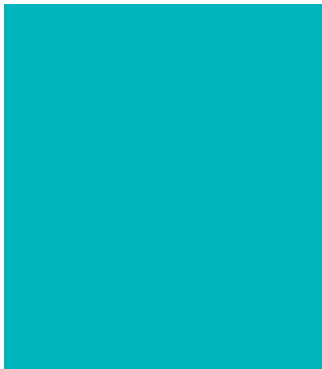
**With its reduced sightlines, perfect symmetry and striking new white colour, zendow provides the perfect balance of aesthetics and functionality.**

zendow has been developed as a particularameleon concept. Whatever the construction details, zendow will work in harmony in all conditions. It is compatible with all kinds of construction details, while ensuring at all times maximum glazing surfaces.

The wide range of ancillaries will even allow for numerous personalisation possibilities, whenever required.



## Inspired design



### New proportions

#### Reduced sightlines

**zen**dow's 70mm width already allows you to enhance the rigidity of the profile and optimise further the inertia of the reinforcements. This has allowed us to reduce the sightlines to a minimum, which in turn increases the glazing surface and penetration of daylight.

#### Symmetrical profile concept

**zen**dow's unique symmetry offers beauty both inside and outside the window, allowing you to create a coherent theme in all your projects. So, whether the window is open or closed, you can feel confident the style remains consistent throughout.

#### An eye for detail

Deceuninck's unwavering eye goes further than the window itself. From the drip rails, Georgian bars and sills, to the coupling profiles, false mullions and more, Deceuninck has considered every aspect of **zen**dow to maintain maximum coherence in design and visual aspect.

### New design

#### The profile shape

As with most things in life, the simple approach is often the best. The **zen**dow design is a true testament to this insight. The unique shape is visually appealing in its own right, while complementing a host of architectural styles. In essence, **zen**dow embraces classical and contemporary architecture, while its warm, sensuous curves are a delight to the senses.

#### Theameleon approach

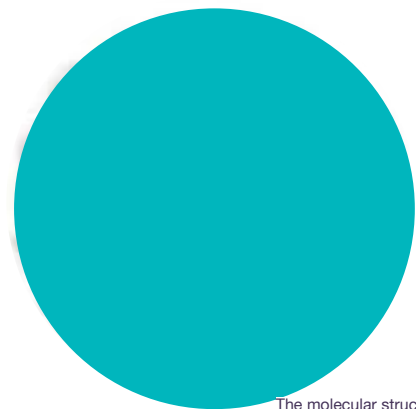
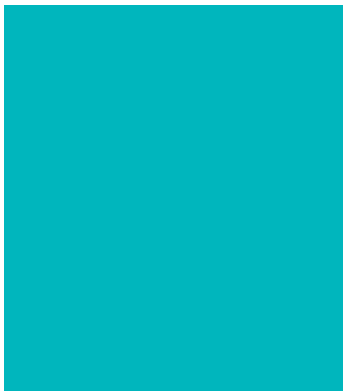
Whatever the style of your project, you can adapt **zen**dow to blend with your design aims. From the range of glazing beads to the false mullions, you can modify the window's appearance completely. Even better, you can change **zen**dow without any effort or implications to the fabrication process.

#### Effortless bending

The typical **zen**dow design easily complies with bending conditions. What is more, the soft rounded shape of the profile even complements the curved window sections.



in all its aspects



The molecular structure of PVCu

## The new Deceuninck white

### The colour of harmony

**z**endow introduces an all-new standard white, coded RAL 9016, as in-depth research and testing revealed that the colour complements other materials, such as painted accessories. The white offers enhanced softness and sophistication, appealing to the contemporary tastes and expectations of the European market.

### The Deceuninck colour range

Obviously **z**endow will also benefit from Deceuninck's immense know-how where colour is concerned, The **z**endow range can be further personalised with a host of individual colours using either Deceuninck's high-quality Decoroc coating process, or laminated profile in woodgrain and uniform colour.

## Deceuninck and PVCu

### A modern material, par excellence

If PVCu has become one of the most important raw materials in the construction industry throughout the world, it is mainly thanks to its natural qualities of resistance and durability.

- a PVCu window is indestructable.

For the end user, PVC requires minimal maintenance, and is both shock and UV resistant.

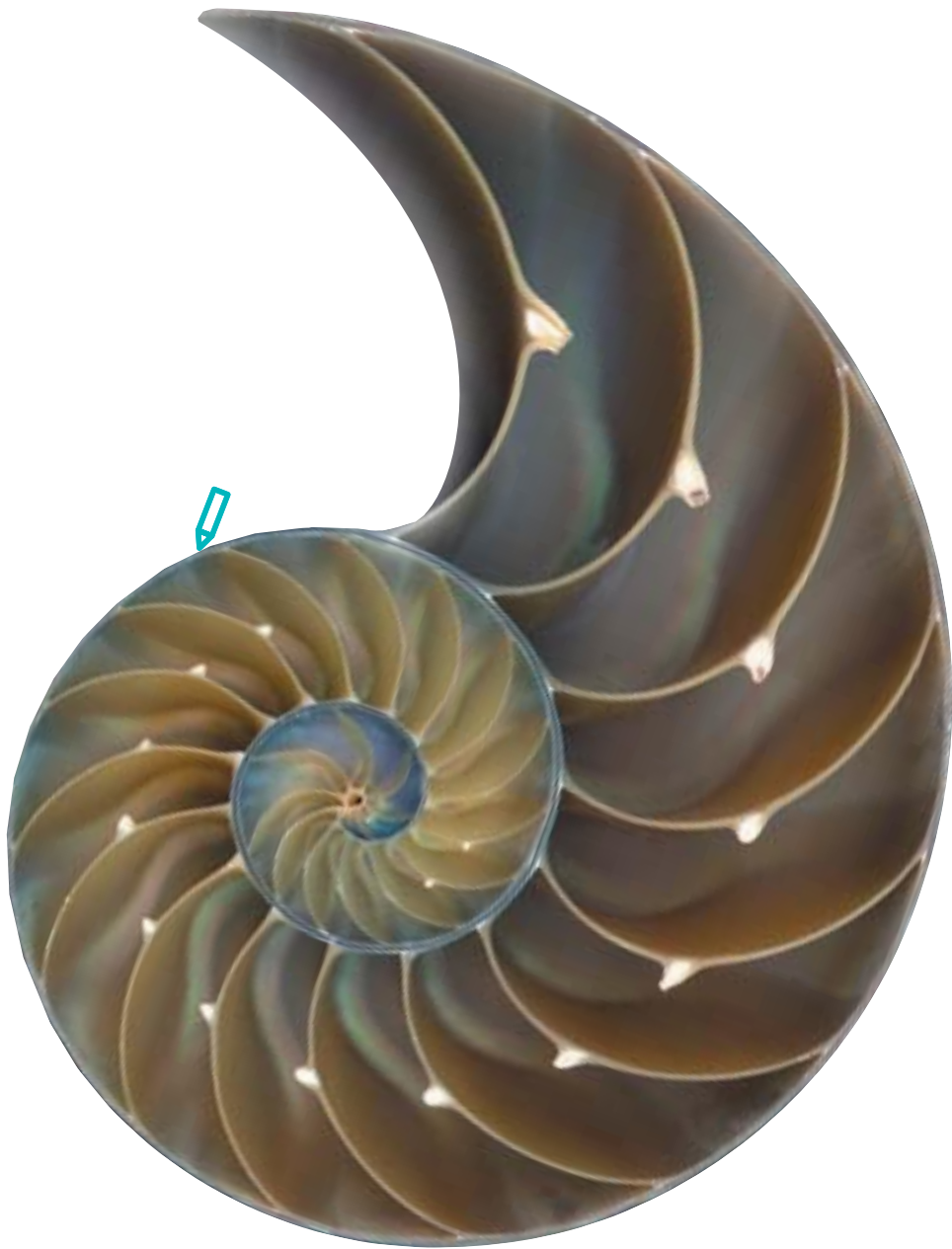
While the professional can apply on a dedicated profile range, applicable for all types of windows, finishing, bending and colours.

### Deceuninck – masters of PVC

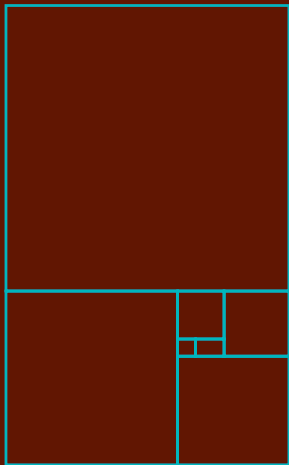
Deceuninck is proud of its passion for excellence.

Through our research programmes, we have created specific high-quality compounds that push the boundaries of PVC's potential.

Even so, we appreciate our responsibilities go far beyond improving the quality of our products, which is why recycling and eco-friendly design remain central to our philosophy.



With **zendow**, the power to achieve harmony in architectural and interior design is within easy reach.



## Pure and simple

Modular, universal, multi-functional, the **zendow** concept is easy to use in both new build and renovation.

The ease of manufacture was of paramount importance in developing **zendow** : the universal transom concept, the clip-fit details, the dedicated fixing lugs, the multifunctional profiles, the finishing concept,...

Simplicity in installation is the key issue, without ever compromising on performance.



Ease of use

## The **zendow** concept

### **Modularity**

Deceuninck optimised the functionality of every profile component before assembling them into standard profile sections, or modules.

This approach enables us to maintain a strict coherence in the assembly of all of the specific profile types.

### **70 mm**

70mm is the ideal profile height, allowing at the same time :

- to increase the overall rigidity of the profiles
- to optimise the geometry and cost-efficiency of the reinforcements
- to implement a multi-chamber option in the same profile concept

### **Symmetry and multi-functionality**

**zendow**'s symmetrical concept allows us to design profiles for multi-functional use. For example, thanks to the external and internal symmetry, you can use the same profile both as door sash and transom.

## The **zendow** profile

### **The universal transom**

Having designed specific types of reinforcement shapes, allows for the universal transom to be used in even more applications.

Indeed, the universal transom concept of 80mm will provide you with a solution in 95% of all possible cases.

### **Mullion sashes concept**

In order to reduce the sightlines even more, **zendow** offers an extensive range of dedicated sashes and ancillaries to decrease the middle section of the window down to more than 20%.

More light, beautiful aesthetics and perfect quality through industrialised fabrication are the key words for this new double opening window concept

in all types of applications

## The **zen**dow System

### The door concept

Thanks to the 70mm concept and the re-arrangement of the inner webs, the new door concept can be used with a tubular reinforcement of 45x45mm, giving you:

- Increased rigidity, further improved by using weldable PVC corner pieces
- Possibility to fix door hinges directly onto the steel
- Compatibility with every type of hardware

### Installation solutions

The concept of the universal outer frame has been developed to propose one single frame profile that can be applied for all applications, including new builds, renovations, mobile homes and more. While the universal frame provides a solution for every application, the **zen**dow range also provides a full range of finishing concepts that guarantee a natural match with the building, while focussing on the ease of installation in any construction.

( for example, window finishing, reveal lining and sills, ... )

## Extending the **zen**dow spirit

### Windows & doors:

- Sliding systems
- Conservatories
- Curtain walling
- ...

### Home protection:

- Roller shutters **storbox**
- Louvre shutters
- ...

### Cladding

- External cladding
- Roofline systems
- ...



Why make things complicated if we can keep them simple ?  
Especially when simplicity proves to be so efficient.



S Y S T E M  
**zendow**®  
b y d e c e u n i n c k



Serenity



Harmony



Simplicity



