

SUN PROTECTION



ROLLER SHUTTERS | SUN PROTECTION | VENTILATION

Carefree  
enjoyment of every  
moment of warmth.



○●● MASTERS OF SHADOW SINCE 1975



# ZipX<sup>®</sup>Zero: invisible and strong

ZipX<sup>®</sup>Zero is a windproof, vertical built-in screen.

The fabric, with a welded zip, runs via a plastic guide rail system with strips of EPDM (rubber) to catch the wind. This makes the screen windproof in any position and insect-repellent when closed. You can keep a partial view outside whilst stopping the direct sunlight.

ZipX<sup>®</sup>Zero has been specially developed for use in passive and low-energy homes.

What energy benefits does ZipX<sup>®</sup>Zero offer?

⇒ **Avoid a thermal bridge**

Installing built-in screens creates a thermal bridge because you remove **insulation** in the place where the box will be. The development process of ZipX<sup>®</sup>Zero focused intensively on finding a solution to this problem. You can read about the new techniques on **page 27**.

⇒ **S-score**

The S-score expresses the **energy efficiency** of a housing unit in a single number. The less energy required to keep the temperature of the housing unit at a constant level, the lower this number. The Flemish government is using this to place extra focus on reducing energy demand. An independent consultancy found that our ZipX<sup>®</sup>Zero system can reduce a home's S-score by no fewer than 3 S-points! Since the S-score represents a tightening up of the rules, you can benefit greatly. Do you live in a region where the S-score is not used? The benefits of our airtight solution are clear for every region, of course, because **your energy costs will drop**.

⇒ **Reduce energy demand**

Simulations show that fitting our ZipX<sup>®</sup>Zero system enables the lowest characteristic energy consumption\* of any solution in the market to be achieved. This is because, with our system, you can enjoy the **perfect indoor climate all year round** with no need for expensive technologies.

⇒ **Are there any alternatives?**

You could choose to reduce the g-value (the ratio between incident solar radiation and transmitted solar radiation) of your glass. This is a permanent decision and you would no longer enjoy the solar gain in the winter. Screens are therefore a less radical and more beneficial choice.

(\*) The characteristic energy consumption is calculated using assumptions and particular circumstances, which allows buildings to be compared.



*Built-in screens are fully integrated into the design of your home for a harmonious, sleek look.*





Go to [wilms.be](https://www.wilms.be) for more technical information and product specifications.



## Features of ZipX®Zero



### Invisibly concealed in the cavity wall

ZipX®Zero is the first of its type to be completely airtight and integrated into the cavity wall. The box is completely concealed behind the façade and even the end lath disappears into the box. When fully rolled up, therefore, ZipX®Zero is invisible from both inside and outside!



### Composite profile replaces the insulation in the cavity wall

Insulation is removed to make space for the box in the cavity. Installing a composite profile replaces this loss of insulation. Wilms is the only supplier in the market to use this method.



### Airtight membrane

Wilms fits an airtight membrane as standard on the composite profile above and below the window. This membrane is simply finished against the outside of the interior wall.



### No condensation

The usual plywood does not provide optimum insulation. The result is condensation and dark spots on the plaster. Insulating structural panels absorb the temperature differences and avoid the thermal bridge next to the window.



### No ugly roll lines

In addition to traditional steel, Wilms also offers a carbon roll for better fabric adhesion. This makes the fabric hang better and prevents horizontal roll lines. This technology is only found with Wilms!



### Streamlined guide rails

The guide rails for ZipX®Zero are concealed in the wall so they are invisible when you are standing right in front of the window. They can be painted in an RAL colour of your choice to blend in beautifully with the window.



### Stop creepy crawlies

There is a gap between the screen and the window to install a fly screen.



### No more cold window sills

Have you ever felt the window sills inside your home in winter? They are almost always cold. Wilms solves this by using a shielded composite profile on which the window sill can sit. The profile keeps the cold out and supports the window profile.



### Moisture stays outside

The window sill is susceptible to moisture because the window is secured to the interior wall. This runs the risk of water seeping in if there is anything wrong with the installation. Wilms provides a drainage profile with a drainage membrane and this profile ensures that moisture stays where it belongs: outside!





### ⇒ When should you choose ZipX®Zero?

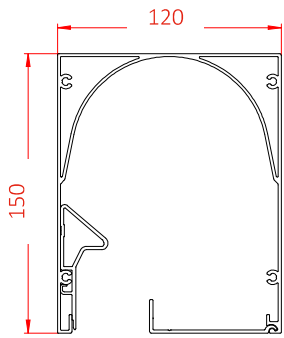
- If you are planning to build or completely renovate a home
- If you want to reduce your energy level by several points
- If the box of your screen must be invisible

#### Good to know

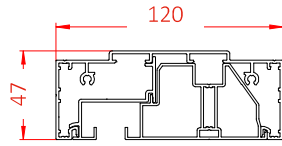
You can choose either blue stone or aluminium for the window sill. The latter can be ordered from Wilms. A sound-damping, anti-drumming membrane is fitted as standard under the aluminium window sill.

The ZipX®Zero is also available **with cable guides**, which is an ideal solution for angled windows without a profile. However the system is then not windproof.

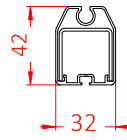
## Dimensions of box and profiles



Box



Guide rail



End slat

## Available dimensions

		Available width																											
		1000	1200	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	5200	5400	5600	5800	6000		
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