

Energy efficient windows



Project Completed: 2013





The world has changed

Since 2007 the price we pay for energy has skyrocketed by over 500%.

The solution is not more energy generation, but better, more efficient use of what we have.

Energy efficiency starts at home.

Change your view....

A more energy efficient way of living is a start towards a more sustainable future.

Teva Windows is a proudly energy efficient company that promotes a greener way of living.

We achieve this goal through the production and installation of the most energy efficient windows and doors in South Africa.

Project Completed: 2010





Why uPVC Windows?

Teva uPVC Window frames is the best insulating window and door framing material available. Aluminium is one of the most conductive materials available on earth!

Why would you use that to insulate your home?

Teva uPVC Windows offers double the insulation compared to a standard aluminium window.

Fact!

Teva uPVC Windows fitted with Single Glazing will give you the same level of insulation as a standard aluminium window fitted with double glazing.

Our Teva uPVC Windows fitted with Double Glazing, will give you **DOUBLE** the insulation you would get from aluminium windows fitted with Double Glazing, all because of our Super Insulating Frames.

Homes will be cooler in summer and warmer in winter. Home owners will also benefit from reduced electricity bills.





Project Completed: 2012





Green windows, a sustainable choice.

The use of uPVC in the production of our window frames makes our windows and doors the most energy efficient in South Africa.

This is why:

- Our energy efficient uPVC windows and doors are fully recyclable
- Teva uPVC Windows have less impact on the environment than aluminium and wooden window alternatives
- The manufacture of uPVC windows uses less non-renewable fossil fuel than any other commodity plastics
- The manufacture of uPVC window frames consumes less than one seventh of the energy needed to make aluminium windows

Teva Windows is the leading uPVC window fabricator in South Africa, boasting a 10 year track record.

Teva Windows has installed windows and doors into thousands of residential homes and countless commercial projects, including apartment blocks, office blocks, complex developments and sustainable low cost housing.

Quality German uPVC windows has a track record of more than 30 years in South Africa.

uPVC windows is, and has been the leading window framing material globally for more than 30 years.





Project Completed: 2015



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Strength and durability

Our German engineered uPVC frames are designed to withstand the higher UV radiation we experience in South Africa.

We have reference buildings in Johannesburg & Cape Town that is still perfect 30 years later.

The life expectancy of Teva uPVC Windows are 40+ years and all of our products come with a 10 year international guarantee.

Made with reinforced steel and internal locking mechanisms, our windows are strong and intruder resistant.



Architectural Aids

Teva Windows has developed fully integrated product software plug-ins for use in most major Architectural Design Software.

This technology enables the Architect to seamlessly design, while the software automatically integrates all the necessary SANS 10400 XA calculations "on the go".

For more information, visit our website
<http://www.tevawindows.co.za/architects/>

Accreditations

At Teva Windows we are committed to quality and are proud to comply with local and international standards and regulations.

- SABS Approved
- SANS 10400 XA Compliant
- A5 Rating for SANS 613
- Best U-Values and SHGC
- SAGGA Member
- AAAMSA Member





Project Completed: 2015

Technical: What are U-Values

Here's a closer view...

A U-Value is a measure of how quickly energy is lost through a building element, like a window or a roof.

It measures the rate of heat transfer through a building element over a given area under standardised conditions.

The U-Value of a window (U_w) measures the rate of heat transfer through a window of 1 square meter size within one hour at a temperature difference of $1^{\circ}\text{C}/1\text{K}$ between inside and outside.

The higher the U-Values of the building materials, the worse the thermal performance (insulation) of the building envelope.

A low U-Value indicates high levels of thermal performance (high level of insulation).

Teva Windows achieves U-Values of between 3.8 - 4.6 on our **single glazing** windows.

Teva Windows are able to achieve U-Values of up to $1.6 \text{ w/m}^2\text{.k}$.

Insulating Glass
Single or Double Glazing

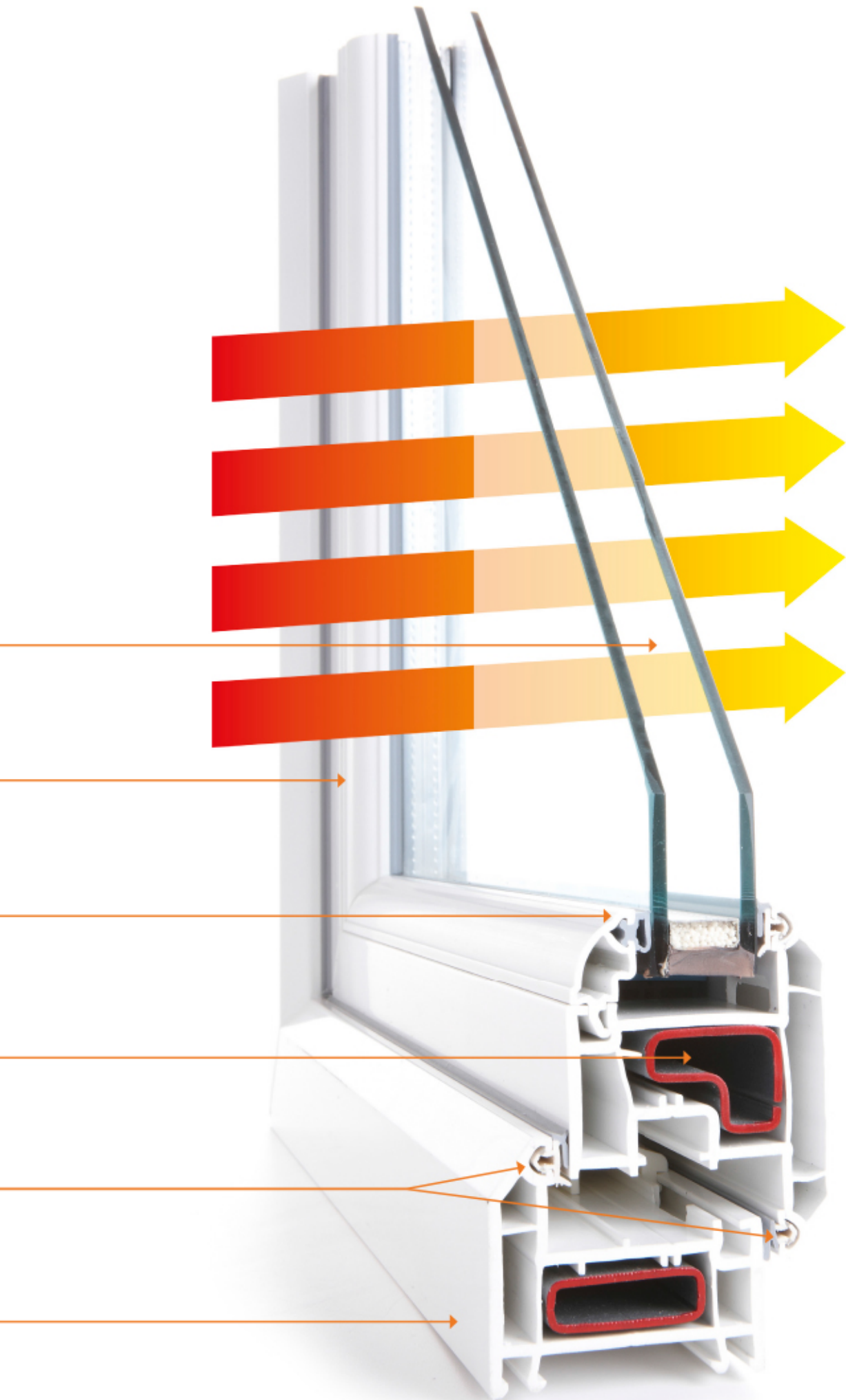
Glazing Bead

Glazing Gasket

Steel Reinforcement

Compression Gasket

Frame Profile





We are passionate about sustainability. The kind that minimises our impact on the environment and enhances quality of life.

Choose Teva Windows for a sustainable future.





Energy efficient windows



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