

# 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 and door frames offer the best insulation on the market. Offering longevity, visual appeal and security, Teva products are high quality, cost effective and dependable.

## Fact!

Teva uPVC windows and doors fitted with Single Glazing will give you the same level of insulation as a standard aluminium window fitted with Double Glazing.

Teva uPVC windows and doors fitted with Double Glazing provide DOUBLE the insulation of aluminium windows fitted with the same Double Glazing.

Our Super Insulating frames create homes that are cooler in summer and warmer in winter with reduced energy consumption and lower electricity bills!





Project Completed: 2009





Project Completed: 2012







# Green windows - a sustainable choice.

The use of uPVC in the production of our window frames make 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 successfully installed windows and doors in the renovation or construction of residential homes and commercial projects including apartment blocks, office complexes, mixed-use developments and sustainable low cost housing for over a decade.

High quality Rehau uPCV windows and doors have a track record of over 30 years in South Africa, continuing the global trend towards the use of uPVC as a leading window framing material for three decades.







Project Completed: 2015









Project Completed: 2013

# Strength and durability.

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

We have installations in both Johannesburg and Cape Town that have stood the test of time for over 30 years.

Teva uPVC windows and doors have an expected lifespan of more than 40 years. All of our products come standard with a 10-year international guarantee.

Manufactured with reinforced steel and innovative internal locking mechanisms, our windows are strong and offer high intrusion resistance.



# Getting Technical:

## What are U-Values?

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

The rate of heat transfer through a building element over a given area under standardised conditions is measured.

The U-Value of a window ( $U_w$ ) gives the rate of heat transfer through a window of one square metre size ( $1\text{m}^2$ ), within one hour, at a temperature difference of  $1^\circ\text{C}/1\text{K}$  between inside and outside.

A low U-Value indicates high levels of thermal performance and a good degree of insulation.

Teva's Single Glazing windows and doors achieve U-Values of  $3.8\text{W}/\text{m}^2\text{K}$  to  $4.6\text{W}/\text{m}^2\text{K}$ , and our products have achieved up to  $1.6\text{W}/\text{m}^2\text{K}$ .

# Here's a closer view...

Insulating Glass  
Single or Double Glazing

Glazing Bead

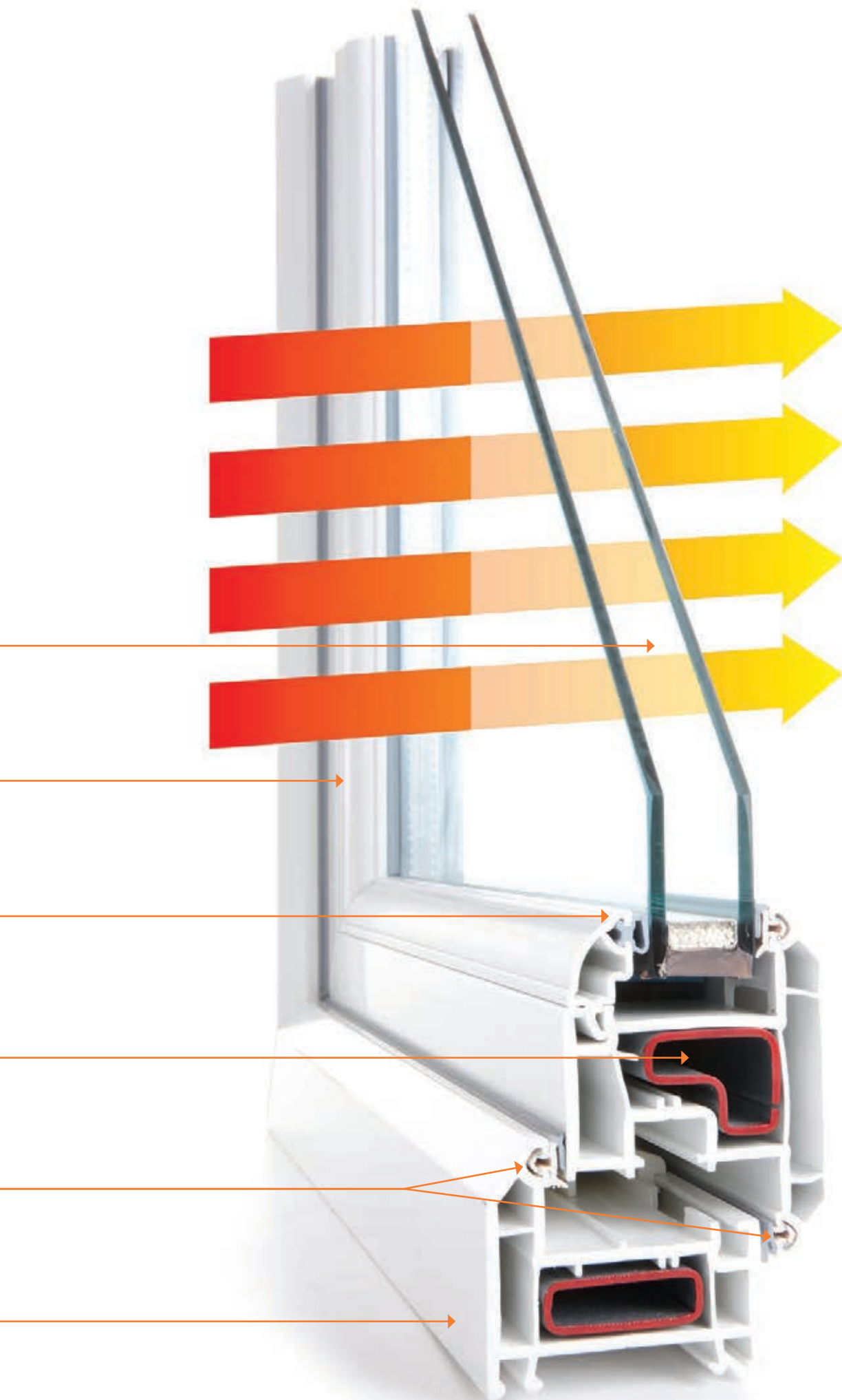
Glazing Gasket

Steel Reinforcement

Compression Gasket

Frame Profile







# Architectural Aids.

Teva Windows have developed fully integrated product software plug-ins for use in most major architectural design software.

This technology enables the architect to design comfortable, effective home and office environments. While the software seamlessly integrates all the necessary sustainability legislation requirements and calculations (including SANS 10400 XA) "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







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.



Project Completed: 2015





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