



Energy efficient  
windows

 teva





# The world has changed

Since 2007 the price we pay for energy has skyrocketed by over 400%. The solution is not more energy generation, but better, more efficient use of what we have.

As a result the Government now requires all new commercial and residential developments, including renovations, to use energy efficient windows.

**and we're ready  
with a new view.**

Teva has a fresh view on the world we now live in, offering the most energy efficient windows and doors available in South Africa.

They're made from white uPVC imported from Rehau in Germany, custom designed for harsh South African conditions.





# Why uPVC?

uPVC is by far the least conductive window framing material available at  $1.5 \text{ W/m}^2\text{K}$  (compared to aluminium which is the highest conductive material at  $10.4 \text{ W/m}^2\text{K}$ )

- > One of the main areas of energy loss in any home is around the windows and doors
- > The multi-chamber design significantly reduces heat loss, keeps out draughts, and reduces noise
- > Our uPVC windows fitted with single-glazing will give you the same level of insulation as aluminium windows fitted with double-glazing.
- > Homes will be cozier and owners will enjoy reduced electricity bills



# A green view

- > All our products are 100% recyclable
- > Product lifecycle tests prove that our windows have less impact on the environment than aluminium and wooden alternatives
- > The manufacturing of uPVC uses just one seventh of the energy required to make aluminium

## Proven German performance

- > Although relatively new to South Africa, uPVC windows are the standard type of window used in Europe
- > The unique compound and smooth gloss finish guarantee a pristine appearance which will suit the character and style of any building
- > Our frames are made by Rehau in Germany. They are the acknowledged global leader in polymer solutions and renowned for their engineering skill and innovative designs.

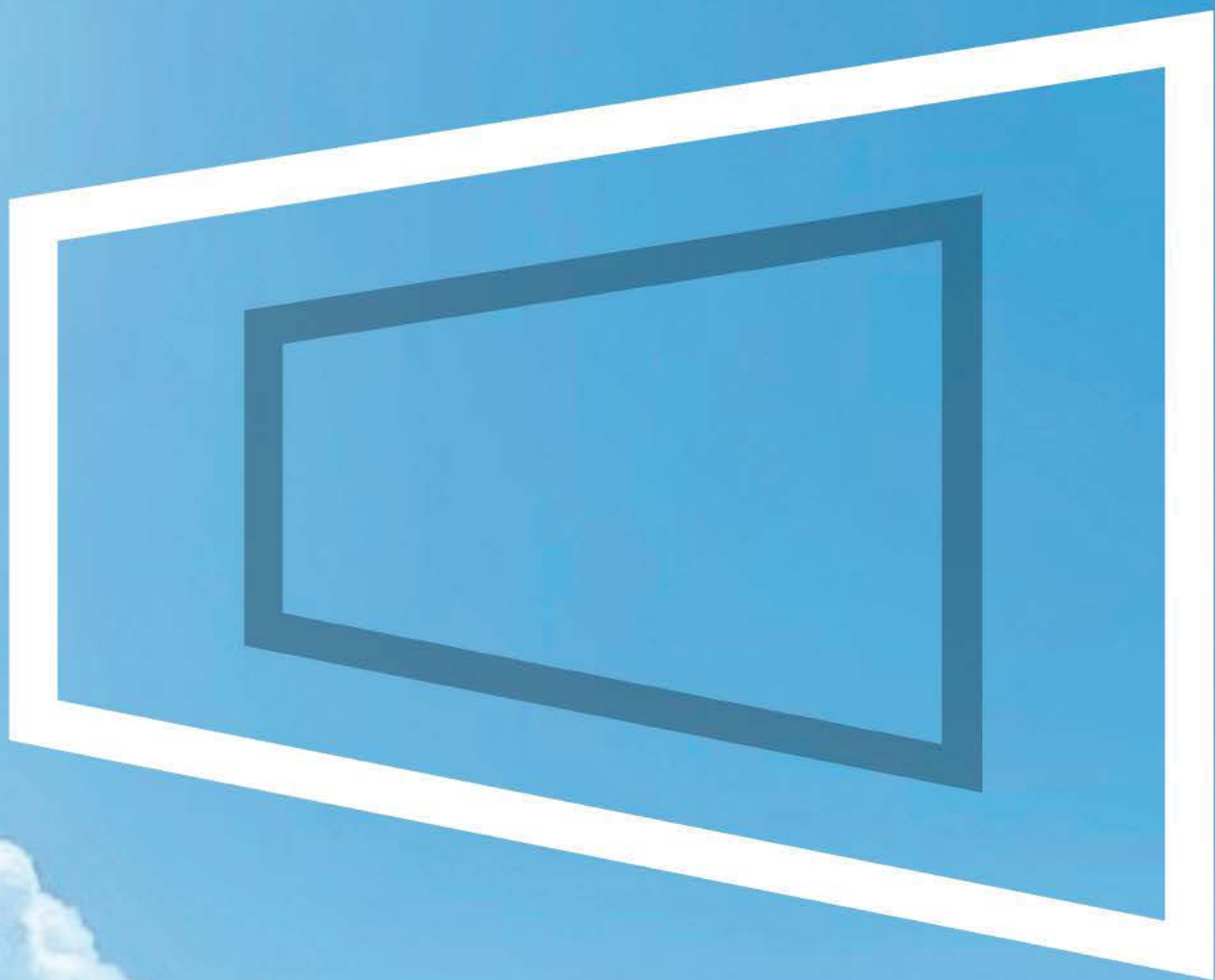
## Strength and durability

- > Our German engineered uPVC frames have been designed to withstand the higher UV radiation we experience in South Africa
- > Unlike other products available our windows won't warp, rot or require regular painting
- > They are colour-fast and will not fade
- > Life expectancy is 40+ years and all of our products come with a 10 year international guarantee
- > Made with steel reinforcement and internal locking mechanisms our windows are strong and intruder resistant





# The bigg



# est view

With Teva you can achieve substantially larger windows than you can by using aluminium

- > New legislation demands that a building with more than 15% glazing coverage must have thermally efficient windows
- > Thermal efficiency is affected by the type of glass, window framing and single or double-glazing
- > Because all Teva single and double-glazed window frames are uPVC, they have the highest thermal efficiency ratings. That means you can specify a much larger window area than you can with the equivalent aluminium framing

## How they compare

	Aluminium compliance	Teva uPVC compliance	Teva uPVC u-values	How much bigger with Teva?
Single-glazing	15%	26%	4.6	73%
Low E single-glazing*	21%	37%	3.2	76%
Double-glazing	28%	46%	2.6	64%
Low E double-glazing*	35%	63%	1.9	80%

\*Low E is monolithic glass with a metalised coating that maximises the thermal properties of the glass



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## The cost effective option

- > We offer the most cost effective product options to meet the new SANS 204 regulatory requirements
- > Owners will save money every month on power bills
- > We have a range of products and prices to suit any project
- > The extreme durability of uPVC, combined with its low maintenance, mean that the total cost of the product over its lifetime is significantly less than wood or aluminium

# Here's a closer

Our double-glazed window and door units offer the best thermal and acoustic properties available in South Africa

We can accommodate a glazing panel up to 24mm, which means virtually any combination of single or double-glazing can be used without any design change

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## **Multi-chambered thermal break profile**

For improved insulation against heat and noise

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## **Dual compression seals**

Enhanced tightness against air, water, and sound, plus improved thermal insulation

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## **Glazing rebate**

Accommodates the double-glazed unit to achieve additional insulation against heat and noise

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## **Steel reinforcement**

Adds strength, rigidity and security

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## **Welded joints**

Fusion-welded frames and sashes prevent leaks

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## **Internal mechanisms**

All locking systems and hinges are incorporated inside the windows and doors

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# view...



Profile illustration showing double-glazed window assembly

**Contact us on:**

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**Visit our main showroom at:**

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Enjoy the view