STYLE

TECHNOLOGY
AND
QUALITY THAT
OUTPERFORMS

2020

DUO Glass

Doors & Windows – Save energy reduce noise

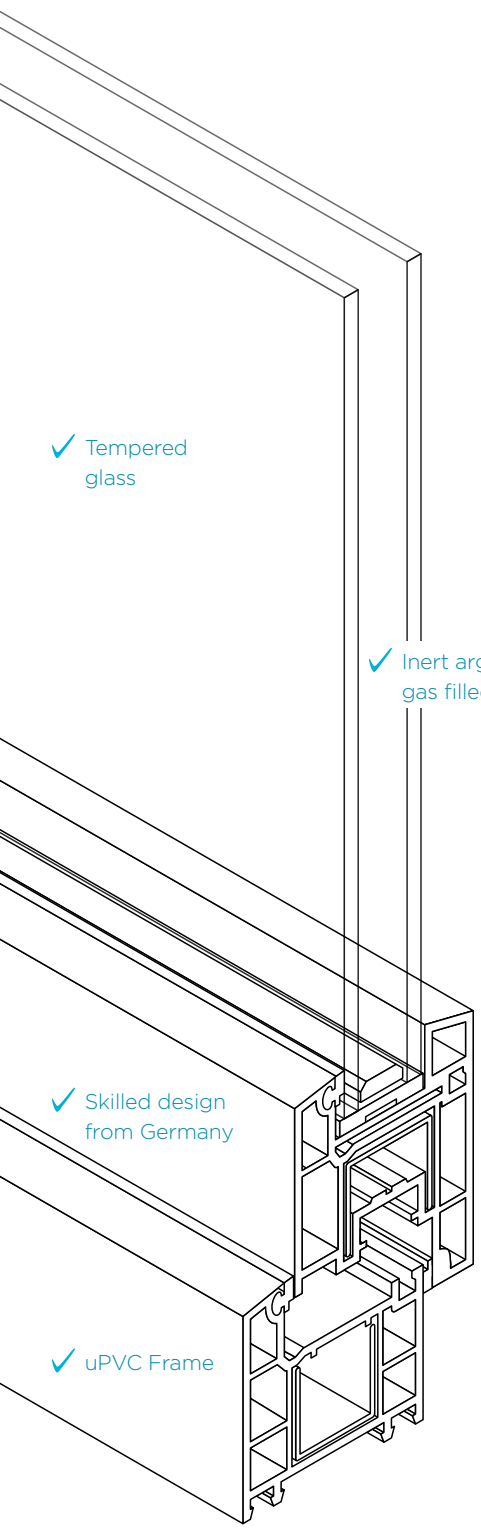
GET TO KNOW DUOGLASS

DuoGlass is proud to be Perth's largest and most-respected double glazing specialist.

Since 2008, DuoGlass has supplied WA and Australia with outstanding quality products that are all manufactured in Perth using German-engineered technology and equipment. Our products are UV stabilised to withstand Australia's harsh sun, and all are locally measured and precision cut.

DuoGlass is wholly Western Australian owned and operated, and we conform to Australian Standards. Specific DuoGlass products have been independently certified to meet stringent cyclonic requirements of northern regions of WA. We're also members of the Australian Glass and Window Association (AGWA) and Housing Industry Association (HIA).

Quality matters to us, and we personally undertake quality control on every order. Because we manufacture both the frames and the Insulated Glass Units (IGUs) in Perth, you enjoy a reliable and swift turnaround time from a locally-based operator who tracks your order through to delivery and installation.



DOOR + WINDOW FRAMES

When it comes to double glazing, not all manufacturers and suppliers are equal. DuoGlass is proud to offer you unmatched technology and engineering from Germany, known to be a global leader in uPVC technologies, plus skilled design and manufacturing in Perth to meet stringent Australian quality standards. All our frames and glass units are made right here in WA.

INSULATED GLASS UNITS (IGUs)

Our IGUs are essentially tempered glass that is strengthened at 620 degrees Celsius. When the glass units are added to the uPVC frames, they are filled with safe, inert argon gas that provides better long term energy efficiency. They're then sealed with a primary and secondary seal to ensure no condensation between the panes. The 'Super Space Sealer'® is impregnated to absorb any trace of moisture within the unit.

FAST FACT

Our double glazing technology means air-tight seals around doors and windows block any external drafts, while the double-glazed panel structures minimise the transfer of heat and cold that happens with standard single-pane windows.

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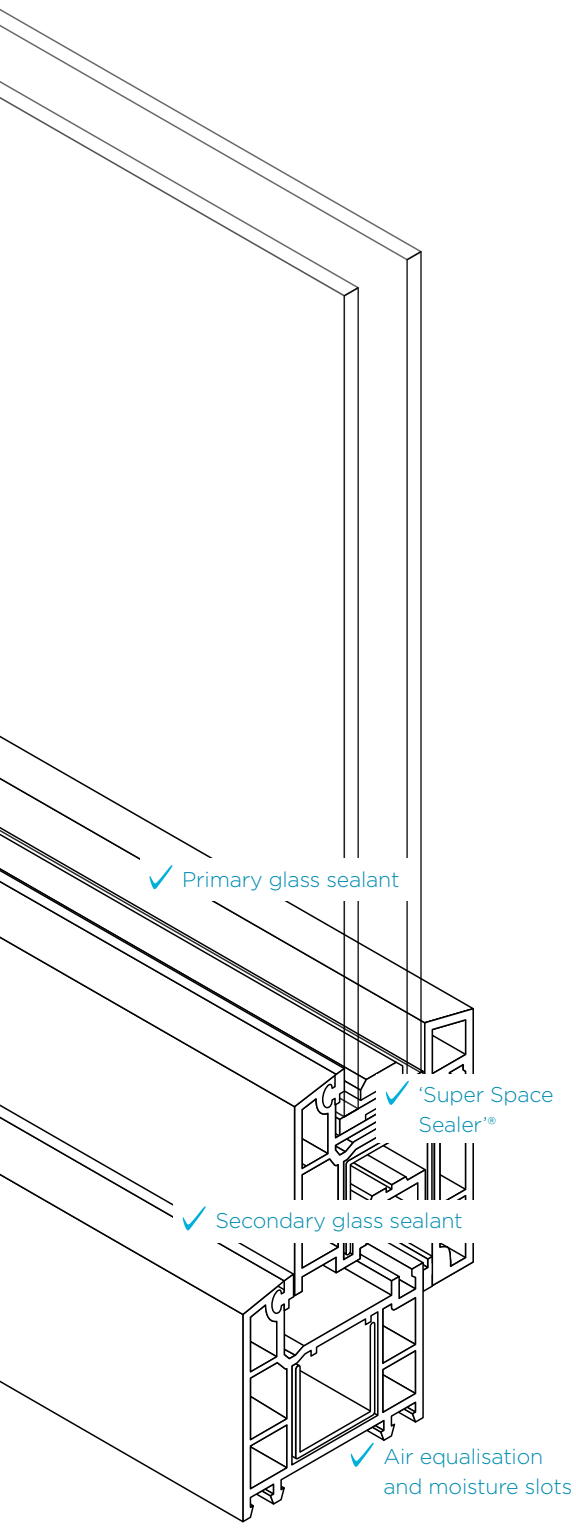
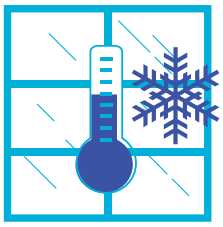
DOUBLE GLAZING – A LIFE-CHANGER

The considerable and many benefits of DuoGlass double glazing speak for themselves. The decision to install it in your home or other property is a positive investment in your lifestyle, your home's value, and a more sustainable future. From reducing noise and lowering heating and cooling bills, to increasing year-round thermal comfort and security, DuoGlass double glazing delivers all this, and more.



NOISE REDUCTION

Sleep soundly and peacefully with unwanted noise reduced by up to 80%. DuoGlass double glazing returns your home to a haven, blocking out annoying noises such as traffic, planes, building works, noisy neighbours and dogs. For those who work at night and sleep during noisy days, DuoGlass is the answer. With noise reduced to the level between a whisper and a conversation, restful sleep, relaxation and wellbeing are virtually guaranteed.



THERMAL COMFORT

Nobody loves temperature highs and lows, but it's difficult to keep comfortable in long hot summers and cool winters. Your aircon or heater helps, but hot and cold air is transferred easily through single window panes. DuoGlass double glazed doors and windows can reduce the impact of Perth's summer heat gain by up to 50%, meaning that it will be late afternoon before there is any need for your air conditioner.

ENERGY EFFICIENCY

DuoGlass is an effective way to decrease your carbon footprint, as it reduces the CO2 emissions of a typical household. Our uPVC windows and doors meet and often exceed the highest energy efficiency standards. So you can be less reliant on artificial heating and cooling. You can also run your aircon at an efficient temperature, which cuts down energy use, so you reduce CO2 emissions and save on your energy bills.

SAFETY & SECURITY

Many flimsy aluminium windows and doors with basic locking systems allow quick and easy access into your home. DuoGlass uPVC windows and doors provide peace of mind as they greatly increase the security of your property. Our products feature multi-point dead bolt locking and factory fitted gaskets, as well as uPVC frames reinforced with steel inside the main chambers. Our glazing beads are fitted to the inside of the window so intruders will not be able to prise their way in. Our windows and doors are assembled in Perth and tested in Germany to meet rigorous security and safety standards.

UPVC FRAMES DELIVER MORE ADVANTAGES FOR YOU

- Extremely durable, corrosion and rot proof, no warping (like timber).
- No painting or maintenance necessary; 'as new' appearance.
- Innovative, modern styling for new builds and retrofits.
- Maximum wind resistance for builds close to the coast.
- Unaffected by weather and incredible UV stability.
- Adheres to strict Australian and European standards.
- Low environmental impact, recycleable and energy saving.

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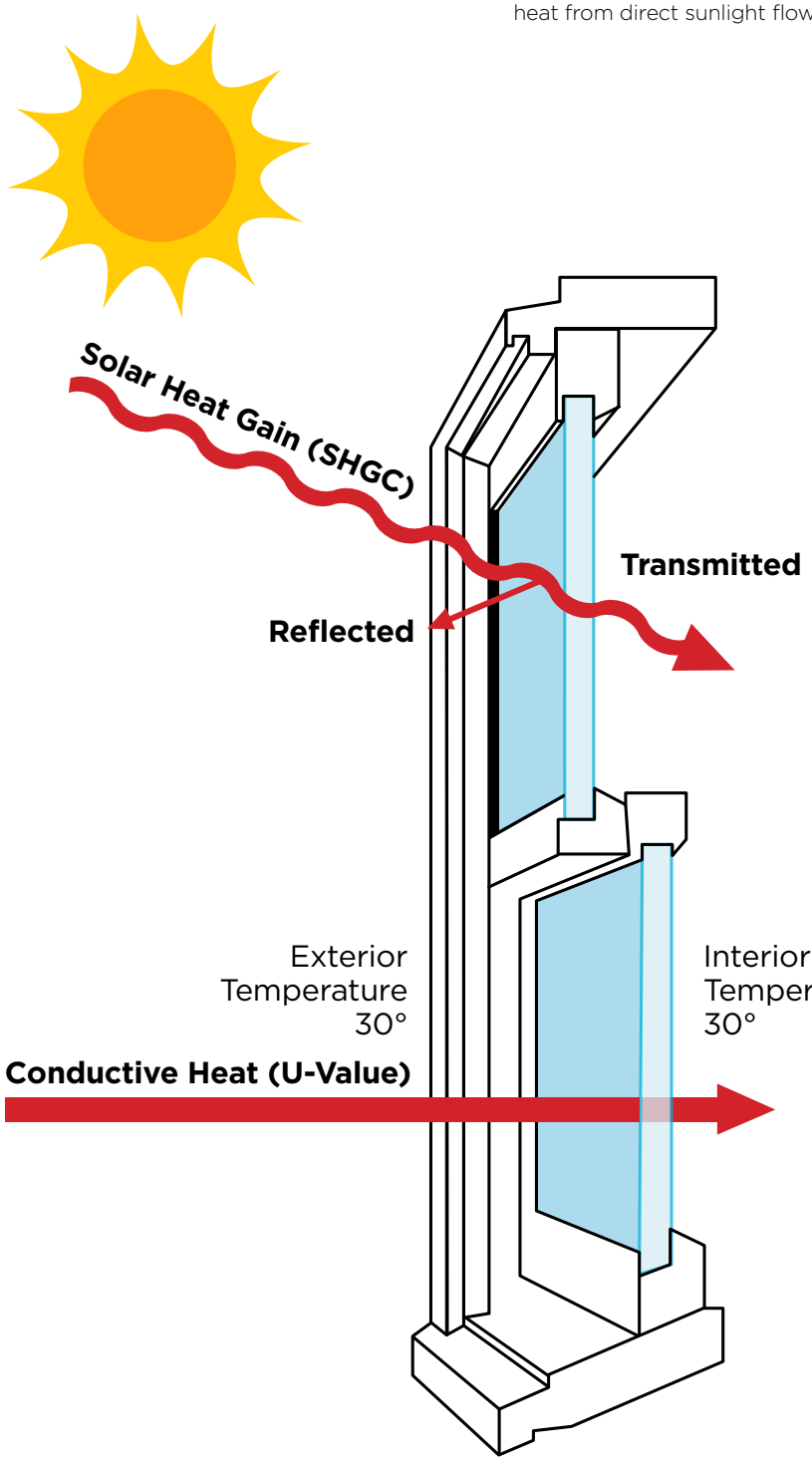
HIGH PERFORMANCE

DuoGlass double glazed windows and doors come in a variety of combinations depending on your need and requirement.

All configurations provide superior performance and help energy efficiency in your home.

When comparing heat transfer mechanisms, we look at conduction and solar heat gain. The table on the right shows the U-Value (a measure of conducted heat, where the lower the figure, the greater the window's resistance to heat flow); and SHGC (Solar heat gain coefficient) - which measures how readily heat from direct sunlight flows through a glazing system.



SOLAR HEAT GAIN COEFFICIENT (SHGC)

The SHGC for windows (expressed as SHGCw) measures how readily heat from direct sunlight flows through a window system. The SHGC is the fraction of incident solar radiation admitted through a window, directly transmitted as well as absorbed and subsequently released inward. SHGC is expressed as a number between 0 and 1. The lower a window's SHGC, the less solar heat it transmits.

CONDUCTION: U-VALUE

U-value (expressed as Uw in windows) measures how readily a window system conducts heat. It is a measure of the rate of non-solar heat loss or gain through it. The rate of heat is indicated in the terms of the U-value of a window assembly which includes the effect of the frame, glass, seals and any spacers. The lower the U-value, the greater a window's resistance to heat flow and the better its insulating value.

	KOMMERLING Clear	**KOMMERLING** Grey Tint / Clear	**KOMMERLING** Optilite / Clear	**KOMMERLING** Optilite / Clear Laminate	**KOMMERLING** Clear Laminate / Clear	**KOMMERLING** White Laminate / Clear
GLASS / GAP COMBINATION	4 + 20 + 4	4 + 20 + 4	5 + 18 + 4	5 + 18 + 6.38	6.38 + 18 + 4	6.38 + 18 + 4
U-VALUE	2.6	2.67	1.67	1.66	2.57	2.5
SHGC	0.75	0.69	0.49	0.48	0.73	0.41

	SALAMANDER Clear	**SALAMANDER** Grey Tint / Clear	**SALAMANDER** Optilite / Clear	**SALAMANDER** Optilite / Clear Laminate	**SALAMANDER** Clear Laminate / Clear	**SALAMANDER** White Laminate / Clear
GLASS / GAP COMBINATION	4 + 12 + 4	4 + 12 + 4	5 + 10 + 4	4 + 10 + 6.38	6.38 + 10 + 4	6.38 + 10 + 4
U-VALUE	2.67	2.67	1.74	1.72	2.61	2.54
SHGC	0.77	0.71	0.49	0.48	0.73	0.42

	SINGLE GLAZED 4mm Clear Float	**SINGLE GLAZED** 4mm Grey Tint	**SINGLE GLAZED** 5mm Optilite	**SINGLE GLAZED** 6.38mm Clear Laminate	**SINGLE GLAZED** 6.38mm White Laminate
GLASS / GAP COMBINATION	4	4	5	6.38	6.38
U-VALUE	5.9	5.9	3.9	5.7	5.7
SHGC	0.85	0.76	0.76	0.78	0.78

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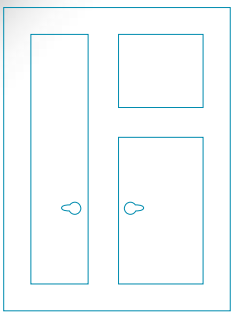
FAST FACT

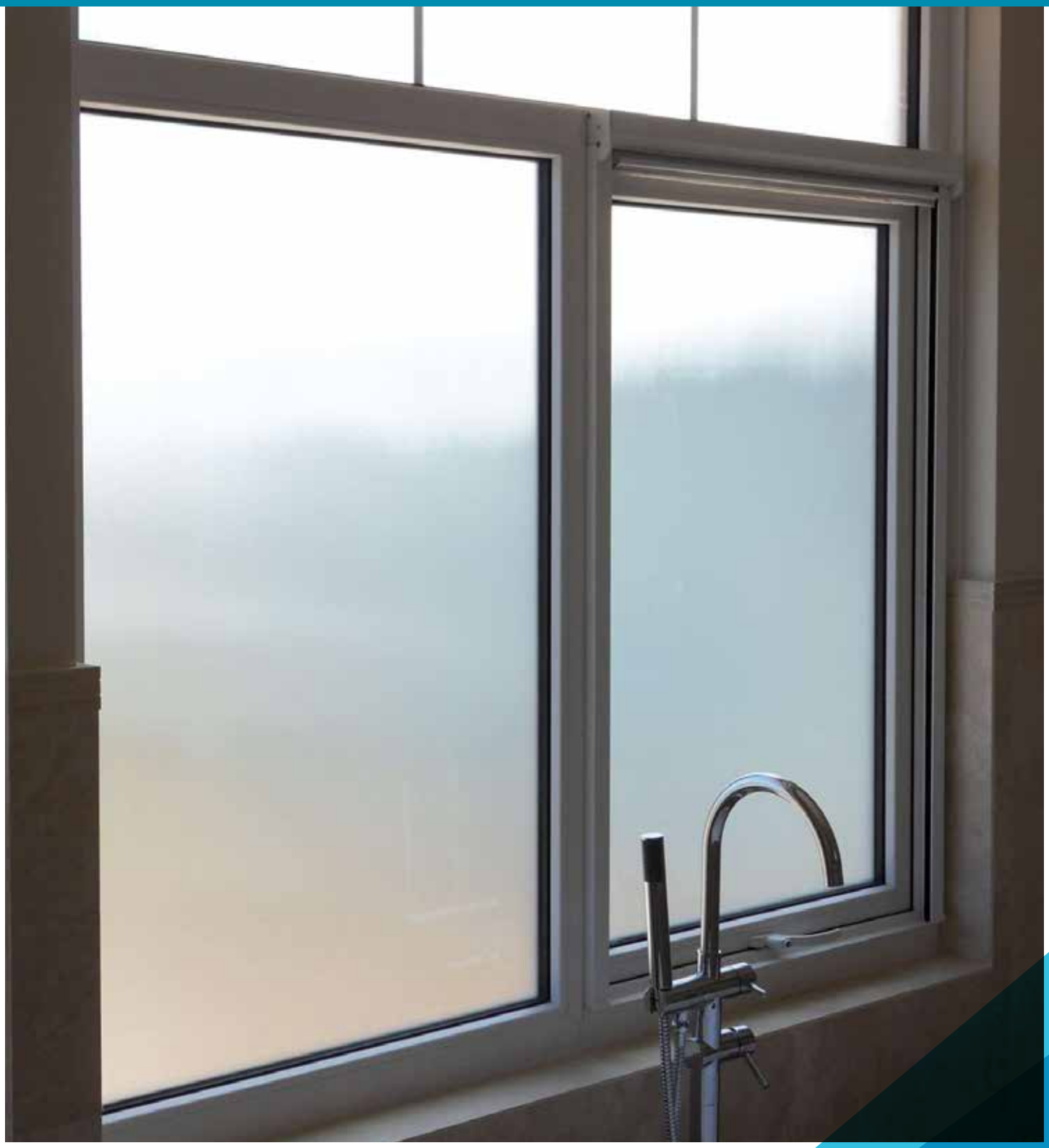
You'll eliminate annoying condensation on windows and doors with DuoGlass double glazing. That's because uPVC is not a thermal conductor, and our glass units are double sealed to ensure there are no condensation issues between the panes.

DOUBLE GLAZED WINDOWS

CASEMENT WINDOWS

Simple and easy to use, this popular type of double-glazed window functions the same way as a standard outward or inward opening window. However our double-glazed casement windows offer an unrestricted opening angle that enables extra fresh air to flow into your home when you choose. When closed, the air-tight seals and technology block external air draft and keep the heat and cold out far more effectively than a single-paned window.





AWNING WINDOWS

These are top-hung and open outward from the base. They can be adjusted to fit the opening width to provide maximum safety and security. The popular outward opening design is perfect for weatherproofing purposes and allows ventilation without affecting your internal space.

Our windows feature stainless friction stays to keep a window open to your desired angle, with options for restrictors to limit the maximum opening width for security. All our awning windows feature a lockable vent position enabling bathrooms to remain secure while allowing airflow.

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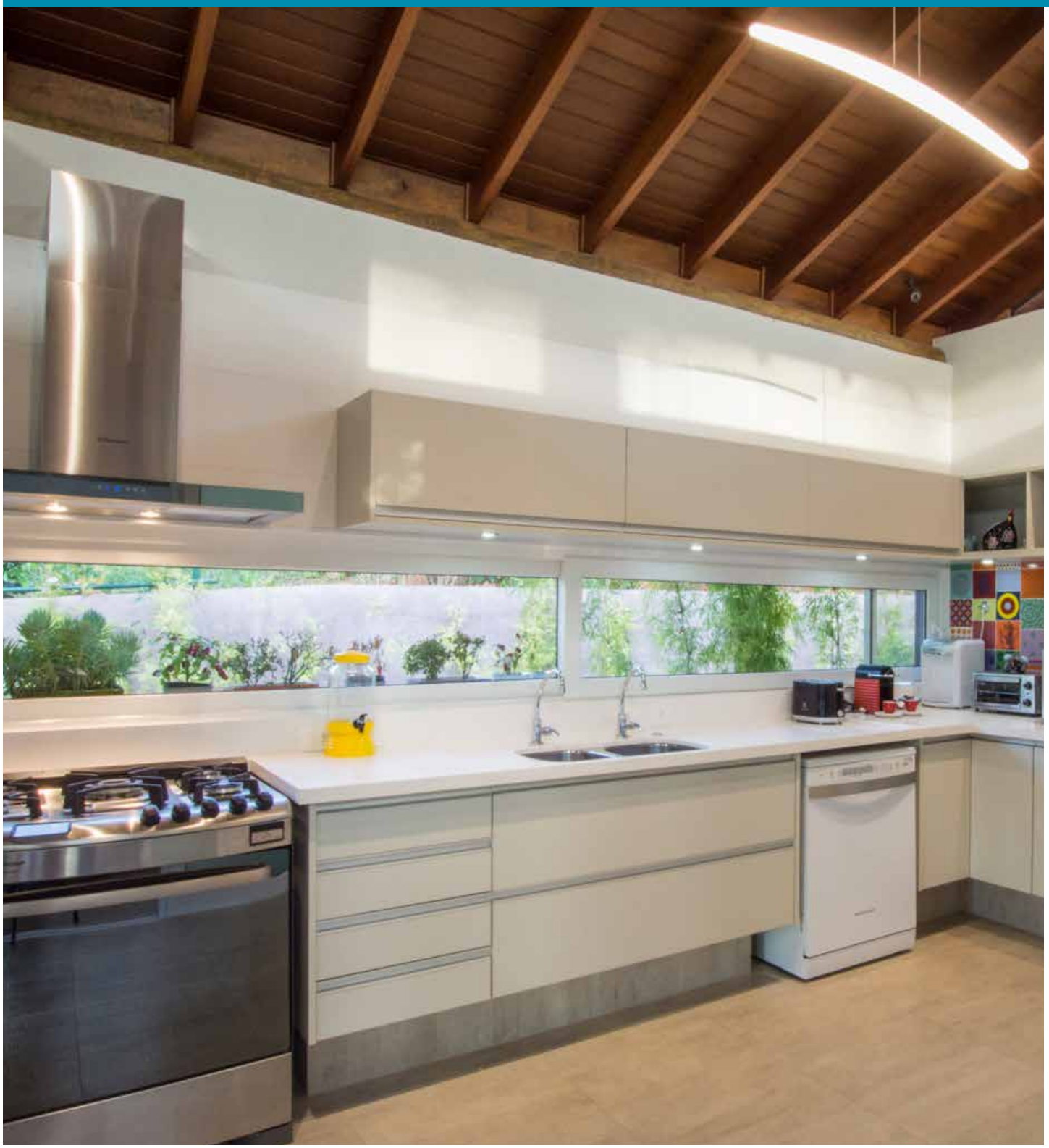
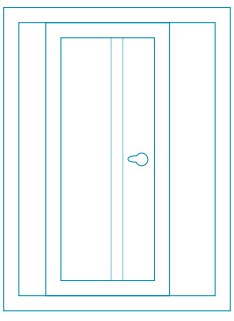


DOUBLE GLAZED WINDOWS

SLIDING WINDOWS

Our popular sliding windows feature a space saving design and are simple to operate. They function the same way standard aluminium sliding windows do, but their installation and design helps drastically reduce the build-up of dust and grime that can accumulate in the joints and tracks of standard aluminium windows. So they're almost maintenance free and you'll avoid bumps or jambs when sliding them open or shut. Our Sliding Windows have multiple locking points, providing added security and peace of mind.



TILT AND TURN WINDOWS

Our extremely versatile and secure double-glazed tilt and turn windows are particularly beneficial for homes that face strong winds. They enable you to open your windows horizontally or vertically, to maximise air ventilation and flow. The opening is controlled by one easy to use, dual action handle allowing opening at your preferred angle.

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INVEST IN SECURITY AND COMFORT

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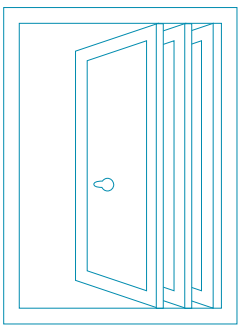
DOUBLE GLAZED DOORS

DUOGLIDE DOORS

DuoGlass has crafted a unique, alternative to bi-fold doors. A system that's exclusively made in Australia. Its slim profile makes it easy to use, easy to maintain and it's 100% weatherproof, sealed and ultra secure. These doors are the perfect way to open up your home in summer, and let in an abundance of light during winter. In addition to our superior double-glazing, they're constructed with durable, secure, easy to open frames in superior uPVC, with widths of up to 6 metres. DuoGlide enhances your alfresco, makes the most of light and views, and creates a sense of space.



FAST FACT

DuoGlass double-glazed doors are UV resistant, making them perfect for Australian climate conditions. Better still, this means they far outlast timber and standard aluminium framed door systems, and they need almost no maintenance.

SLIDING DOORS

DuoGlass double-glazed sliding doors are a convenient and space-saving choice for homes and apartments of all styles. The smooth sliding action makes the doors easy to open and close, and they offer a quadruple locking system which includes 4 hook locks that deliver a high level of security and peace of mind. Our doors are UV resistant, so they far outlast timber and standard aluminium framed systems. And they require almost no maintenance. For larger spans, we offer our Premi Lift and Slide option – an exclusive and unique DuoGlass in Western Australia. The Premi system can be built in sizes up to almost 6 metres long and 2.5 m high, creating the ultimate opening to your alfresco, and maximising views.

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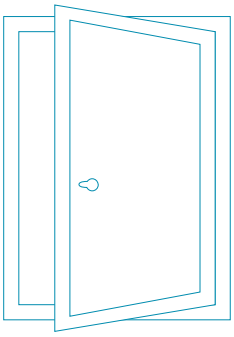
DOUBLE GLAZED DOORS

HINGED DOORS

Our double-glazed hinged doors are elegant and simple, and they suit almost any style of architecture. We offer DuoGlass hinged doors in a wide range of panel designs, profiles and locking mechanisms, so there's a style and design to enhance most properties. Entrance doors are reinforced with 60mm galvanised steel inserts, and they feature multi-point locking for added security and peace of mind.



TILT AND SLIDE DOORS

Our double-glazed tilt and slide doors combine the elegance, ease, and space-saving characteristics of standard sliding doors, with the added bonus of superior quality uPVC frames and insulated glass units. The doors offer the regular “sliding” functionality, plus a useful tilt option, which allows air flow without ‘leaving a door open’. This enables air flow without compromising your safety and security when you leave a door open, as the door is hinged at the base, allowing space at the top for air flow.

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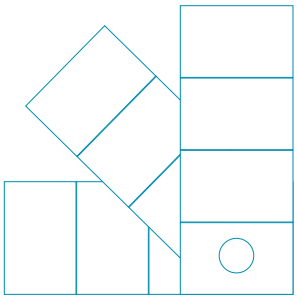
COLOUR, RANGE AND STYLE OPTIONS



At DuoGlass, we offer double-glazed windows and doors in a range of stylish designs and colours, ensuring there's always something to suit your property. One of the advantages of using uPVC for our frames is that there are very few limitations. In most cases we can create the same style as aluminium or timber systems. And we constantly update our own innovative designs.

When it comes to colours, DuoGlass offers a range, with White being our most popular due to its thermal resistance and universal aesthetic compatibility. Jet Black and Walnut are also excellent choices. Ivory, Anthracite and Golden Oak are available, and additional foiled colours are available with extended lead time. If you're after something a little different or need a colour solution, we can help.

SMART LOCK SECURITY DOORS

DuoGlass double-glazed doors can be fitted with the Yale Conexis Smart Lock, so you can enjoy all the benefits of double glazing while you also open your doors effortlessly with the touch of a card or fob. Plus, total peace of mind is yours with the added electronic security this solution delivers. With hotel style entry, you have a technologically smart and exceptionally secure entry system for your property.

CONEXIS **SMART LOCK**

- Secure
- Technology smart
- Peace of mind
- Effortless
- Hotel style entry

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BEFORE + AFTER

High quality DuoGlass double-glazed doors and windows are individually crafted in WA using our precision technology to deliver outstanding results for you. Wherever you choose to have our doors and windows installed, you can be confident they will successfully and beautifully transform your property.

BEFORE

AFTER

QUOTES **INCLUDE**

- ✓ Quote
- ✓ Measure
- ✓ Supply
- ✓ Install
- ✓ Clean

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DUOGLASS SHOWROOMS

There's nothing like seeing our quality double glazed products up close. Take time to visit one of our five conveniently located showrooms, where you can experience our craftsmanship and see our technology demonstrated first hand. Our highly skilled designers are here for you and are always happy to chat to you about your individual needs.

FIND A DUOGLASS SHOWROOM NEAR YOU:

CLAREMONT
(08) 9217 6500
claremont@duoglass.com.au

JOONDALUP
(08) 9300 0064
joondalup@duoglass.com.au

JANDAKOT
(08) 9395 4200
jandakot@duoglass.com.au

MIDLAND
(08) 9274 6111
midland@duoglass.com.au

OSBORNE PARK
(08) 9443 7200
osbornepark@duoglass.com.au

duoglass.com.au

Mindarie
Carramar
Iluka
Jandabup
Walyunga National Park
Ocean Reef
Wanneroo
Ellenbrook
Gnangara
Aveley
Brigadoon
Wangara
Henley Brook
Baskerville
Landsdale
Hillarys
Sorrento
Duncraig
Whiteman Park
Herne Hill
Ballajura
Balcatta
Mirrabooka
Karrinyup
Caversham
Hovea
Morley
John Forrest National Park
Osborne Park
Hazelmere
Glen Forrest
Swan River
Subiaco
Perth
Perth Airport
Kalamunda
Cottesloe
East Victoria Park
Forrestfield
Bickley
Applecross
Cannington
North Fremantle
Booragoon
Fremantle
Willetton
Maddington
Martin
Gosnells
Canning Vale
Spearwood
Bibra Lake
Southern River
Karragu
Coogee
Cockburn Central
Harrisdale
Kelmscott
Roleystone
Armadale
Aubin Grove
Garden Island
Garden Island
Oakford
Kwinana Beach
Orelia

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