The time for single-layer windows has expired.
Buying windows and doors is a lifetime. Therefore, it is not worthwhile to decide on cheap and low-quality, single-layer windows. Soon, double glazed windows and doors will be standard in every house, so it's no longer worth buying a single-layer window, as it will soon be replaced. Technical progress in the field of window and door production has not been missed either. Today, Upvc, uPVC frames are manufactured using the latest technology to deliver high-quality double glazed, heat- and sound-proof windows and doors for a lifetime of comfort.

Better for the environment.

Your home - our pride.

We're all proud of our homes and the decision to invest in windows and doors is an important one. Beautiful looks, lasting performance, high security and energy efficiency are the key ingredients in our products.

Choose one of our Authorised Installers and they'll be able to help you make the right investment for your home. With a KÖMMERLING window or door you can also be rest assured that you'll be choosing a product that's designed by some of Europe's top engineers in the construction and home improvements markets.
**Low-E Coated Glass**
Low-E coatings have been developed to minimize the amount of ultraviolet and infrared light.

**Argon Gas Filled Gap**
Argon gas is used to increase the energy efficiency and general performance of thermal windows.

**18mm Spacer Bar**
The spacer bar prevents condensation and keeps both panes of glass 18mm apart.

**4mm Toughened Glass**
Toughened or tempered glass is a type of safety glass.

**UV proof Frame**
Available in different colors
- White
- Cream
- Anthracite
- Signal grey
- Golden Oak

**Gasket Rubber Seal**
Rubber gasket seal is for a perfectly airtight closure.

**Galvanized Reinforcement**
Stainless steel bracing for a stronger hold, inside of the profile.

**5 Chambers Frame and Sash**
New generation of profiles which nowadays fulfilling the demands of the

Low-e glass can reduce the amount of heat that is conducted through the glass by around 30% compared to ordinary glass. Low-e glass further improves thermal efficiency by cutting glare and preventing damage interior furnishing caused by ultra-violet rays.
HEAT INSULATION

It is very important to buy windows with the right insulating ability because our choice will have an impact on our energy bill and later when we sell houses, we may have to present an energy certificate. The more stars one can achieve on the energy certificate the better the rating of the house becomes, thus the value of the house grows as well.

The U value shows the thermal insulation and thermal conductivity of the window, the unit of measure is W / m²K. The smaller the U value is the better the thermal insulation ability is.

The need for noise insulation

The insulation requirement for the window depends on the use of the building and the level of outside noise (a moderate reduction in noise intensity will be perceived as a major reduction in the sensation of noise). Windows installed with KÖMMERLING profiles result in reductions of up to 45 dB, depending on the type of glazing used.

Reduction by 10 dB(A):
Sensation 1/2 of previous noise

Reduction by 30 dB(A):
Sensation 1/8 of previous noise

Reduction by 50 dB(A):
Sensation 1/32 of previous noise
LightBridge Technology

A seamless bridge between the inside and out, LightBridge is a revolution in window technology. While ordinary glass has high levels of heat gain and heat loss, LightBridge TM double glazed units have an enclosed Low-E coating which actively insulates your home up to 77% better than ordinary glass. LightBridge TM is also available in a range of levels of enhanced security, noise reduction and UV protection – putting the power back in your hands to make your home your sanctuary.

Description
LightBridge is a range of high performance insulating glass units (IGU) developed specifically for residential building applications. Constructed with low-e glass and inert gas fill as standard, a high insulating factor is assured, whilst maintaining a very high level of visual clarity and visible light transmission levels. It is configured for three standard make-ups:

- **Base Product** – an IGU with two monolithic lites (toughened or annealed).
- **Sanctuary Level 1** – one lite replaced with a standard laminate.
- **Sanctuary Level 2** – one lite replaced with an acoustic laminate.

Applications
LightBridge insulated glass units are for use in fully framed windows and doors in detached residential and low-rise multi-residential building projects. The product is specifically designed to improve energy efficiency and/or increase the permissible glazed area of the design, thereby increasing access to natural light within the property.

The standard makeups of LightBridge are suitable for most common configurations of residential windows and doors capable of taking a double glazed unit.

<table>
<thead>
<tr>
<th>Glass</th>
<th>Width</th>
<th>Filled</th>
<th>Heat protec Uw</th>
<th>SHGCw</th>
<th>Rw</th>
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<tbody>
<tr>
<td>Normal</td>
<td>4mm</td>
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<td>No</td>
<td>7.1</td>
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<td>No</td>
<td>No</td>
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<td>Low-E</td>
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<tr>
<td>Sound insulated S1</td>
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<td>Argon</td>
<td>Low-E</td>
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<td>0.54</td>
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<td>Sound insulated S2</td>
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<td>Argon</td>
<td>Low-E</td>
<td>1.0</td>
<td>0.51</td>
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</tbody>
</table>
KÖMMERLING C70
Windows system for excellent thermal insulation, basic face width of 70mm.

The uPVC system KÖMMERLING C70 is an economic solution, without compromising at all the quality and credibility of the final product.

KÖMMERLING PremiLine80
Sliding system, with double rails. Total face frame width is 137mm, while running is performed on ALU rails.

Sliding system for excellent thermal insulation with standard face width of 137mm. Integrated eco-friendly solutions, featuring excellent and sealing properties, complemented by the possibility of installing a double glass pane and the excellent soundproofing performance and durability.

KÖMMERLING Residential Door
High insulation main entrance door system, with total face width of 182mm.
uPVC Door Panels used for Exterior and Interior requests, White, Anthracite or Wood imitation laminated colors. We offer standard models and special request models. But we also offer a traditional double glazed Entrance Door.

**Benefits:**
- Frame and sash with a depth of 70 mm
- 3 pull-outs, ROTO reinforced, 3-way adjustable strap
- Galvanized reinforcement for the high stability
- 4 extra corners in the wing
- Genuine heat-free aluminum threshold
- Standard 5-point lock for high security
- Higher security level as required
- 28 mm panel or double glass for better insulation
- Outstanding stability and security

uPVC panel designs:
Smart Roller Shutters

The smart shutter is virtually a motorised shutter with a variety of sensors. Essentially, the operation of the shutter is not only possible with a remote control, but can also be automated. Let’s say, with a timer, you can set your own sunlight every morning or with a wind or light sensor you can sensitise it to storms, so you don’t have to worry about the safety of your home whilst on holiday, the smart system will do its job. What’s more, the smart device can be connected to any previously designed smart home systems, such as heating or lighting, but it also provides the ability to remotely calibrate via a smartphone.

Security

The aluminium shutters are able to increase the level of security of your home. The massive roller shutters cannot be entered through silently or quickly. Due to the built-in electric motor it is a virtually almost impenetrable wall in front of the burglars as the shutters cannot be manually moved. In addition, with the right automation, the motorised solution can also help the safety of your home by moving the shutters at regular times, creating the impression of someone is being at home even when you are at work or travelling.
Conexis L1 Smart Door Lock

Operates via the Bluetooth Conexis app, key card, key tag or phone tag. Seamless function allows access via touch when an approved phone is in proximity. Twist and Go requires a gesture of twisting the phone 90° to unlock the door. Adding and removing users is easily done via the app. Quick and easy to install. No need to use wires or drill additional holes in the door, just fit using screwdriver. Features a tamper alarm. Add a smart door lock module to remotely unlock from anywhere, anytime. Powered by 4 AA batteries with a low battery indicator and works with most multi-point locks on the market.

- Works with iPhone, iPad & Android
- Compatible with the Yale Smart Home System
- Suitable for Wood, Composite & uPVC Doors
- 50 User Codes
- Without Code-Free Mode
- 2000 Audit Trail Facility
- Without Override Facility
- Secure Push & Turn Thumbturn
- Simple to Fit
- Battery-Operated
PROMESH security screens are constructed using 0.9mm 304 high-tensile stainless steel wire which is 12.5% thicker than many other security mesh brands currently used in the industry. Our unique Retaining Hook System provides exceptional strength compared to standard manufacturing processes. PROMESH screens are harder to cut or penetrate and are designed to not only keep the flies or mosquitoes out but also the burglars as well. It’s good to know that you can keep your family safe.

**BARRIERS FOR POOLS**

The Building Regulations 2012 (the Regulations) requires all private swimming and spa pools that contain water that is more than 300mm deep to have a compliant safety barrier installed that restricts access by young children to the pool and its immediate surrounds. PROMESH & GRIDLOC screens can be manufactured to comply with pool regulations in Perth.

**DYNAMIC IMPACT TEST**

The Australian Standard Dynamic Impact Test was conducted on a PROMESH & GRIDLOC security door to assess its impact strength in case of an intruder attacking the door by kicking or hitting it.

**KNIFE SHEAR TEST**

The Australian Standard Knife Shear Test was conducted on a PROMESH security door to assess its strength in case of an attempted knife attack on the 0.9mm stainless steel mesh.

**STANDARD POWDER COATED COLOURS**

- White
- White Birch
- Magnolia
- Doeskin
- Brown
- Anotec Dark Grey
- Black
The flat trims, distributed by GaBe Windows, are used for the covering of joining gaps during the installation of the uPVC windows. They are available in a roll of 50m so can be cut to size as required. The flat trim features a 1mm thick PE adhesive strip that can be used on an uPVC surface in the interior as well as the exterior areas. The flat trims can also be delivered with a soft silicone lip that will smoothly sit on any type of wall surface. It is recommended to use orthogonal profiles for covering the corners however there are foldable trims on offer as well.
We will provide you with an estimated offer based on the details you gave us previously. In case you find our offer favourable and accept it, our friendly staff will contact you, will provide you with their expert advise at your home whilst conducting the final measuring of apertures based on which production will be undertaken.

- On-site survey
- Fabricated to exact specification
- Clean and fast quality installation
- Short deadline