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See the difference inside out

About us

At Glass Relate we specialise in delivering high-quality, innovative glass solutions throughout New Zealand. And with an organisational backing that comes with nearly 50 years’ experience, you can be sure we’ll be around for many years to come.

Our team of glass experts, and the window manufacturers who use our glass, are trusted, reliable and know their stuff. So whether your project is big or small, we can help you create the perfect solution.

Auckland
2 Timaru Place, Mt Wellington
PO Box 51075, Pakuranga 2140
+64 9 838 0700

glassrelate.co.nz

Christchurch
53 Izone Drive, Rolleston
PO Box 80, Rolleston 7643
+64 3 347 7900

Experience the difference

We’re proud to supply our glass to New Zealand’s best window and door manufacturers and glass merchants. To find out more about Solace Low E or any of our other glass solutions, talk to one of our experts.

Your local expert is:

*AEECA ENERG Y STAR*™ logo used September 2014.
Get to know your glass

- Low-emissivity (low-e) glass
  Glass with an almost invisible coating contained on the inside pane of an insulated glass unit (IGU). This coating lets the sun’s light and energy into your home and reflects heat back indoors, forming a shield against the cold. In warmer climates low-e glass can be used to keep the heat out.

- U-value
  The measure of air-to-air heat transfer through glass and the difference between the indoor and outdoor temperatures. The lower the U-value, the lower the heat transfer and the better the insulation.

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- Visible light transmission
  The percentage of visible light transmitted through the glass. The higher the VLT, the more natural light enters the room.

- Argon
  A noble gas used inside a double or triple glazed unit. It restricts the transfer of heat and provides greater insulation.

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**Introducing Solace Low E**

A new way to view your world

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A high performance glass, Solace Low E is designed to help you create a living environment that’s completely comfortable – making your home feel ‘just right’.

Solace gives you the best of the outdoors, indoors. In cooler environments it makes the most of natural light, letting the sun’s heat in and preventing it from escaping. In hotter environments, its clever technology keeps your home nice and cool.

### See the difference with Solace

**The clearest view**

Unlike other low-e glass products that can look hazy, Solace Low E provides exceptional clarity and a view the way it’s meant to be.

**A warmer, drier, healthier home**

Solace makes your home more livable. We use advanced thermal spacer technology which reduces condensation and creates a ‘warmer edge’ in your window and doors, allowing you to make the most of your living space. And if you add an insulating gas like argon to your double or triple glazed unit, it will keep in even more warmth.

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As part of a total window system, Solace can help boost the energy efficiency of your windows and help you achieve an ENERGY STAR® mark for your home. Just talk to your local window and door manufacturer about how.

---

**Backed by the stats**

<table>
<thead>
<tr>
<th></th>
<th>U-value</th>
<th>Shading co-efficient</th>
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</tr>
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<tbody>
<tr>
<td><strong>Double glazing (DGU)</strong></td>
<td></td>
<td></td>
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<tr>
<td>Clear-air-clear</td>
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<tr>
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<th><strong>Triple glazing (TGU)</strong></th>
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<td>Clear-air-clear-air-clear</td>
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<tr>
<td>Clear-air-argon-argon-Solace</td>
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<tr>
<td>Solace-argon-clear-argon-Solace</td>
</tr>
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* 0.32 = minimum R value rating for ENERGY STAR

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*If your local window and door manufacturer about what works best.

**Double glazing (DGU)**

- **Clear-air-clear**
- **Clear-air-Solace**
- **Clear-argon-Solace**
- **Clear-air-clear-air**
- **Clear-air-argon-Solace**
- **Solace-argon-clear-argon-Solace**

**Triple glazing (TGU)**

- **Clear-air-clear-air-clear**
- **Clear-air-argon-argon-Solace**
- **Solace-argon-clear-argon-Solace**

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* U-value calculated using NFRC and shading co-efficient and visible light transmission calculated using CEN modelling methods. We talk to your local window and door manufacturer for more information.

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We don’t recommend using Solace Low E in the centre pane. Talk to your window and door manufacturer about what works best.
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