



Hermans  
**TECHNIGLAZ**  
SOLAR, SAFETY, DAYLIGHT

CUIN is an innovative product that incorporates an invisible suspended film within the cavity of insulating glass units (IGU's), resulting in the application of one of the most advanced technologies in the glazing industry today; a product that is both energy efficient and revolutionary.



CUIN's innovative design results in a thinner and lighter construction compared to traditional triple glazing, as well as being superior in performance. With U-values as low as 0.4 W/m<sup>2</sup>K in a double IGU, and 0.2 W/m<sup>2</sup>K in a triple IGU, without increasing the glazing weight or thickness, this makes CUIN the eco-friendly, high performance choice over traditional glazing.

Key performance benefits include:

- CUIN achieves the lowest U-values available today, providing outstanding thermal insulation to help lower energy bills and can remove the need for costly energy saving technology or renewable energy generation.
- Highly thermally efficient lowering demands on HVAC providing a primary reduction in CO<sub>2</sub> emissions and improving comfort in the home or workplace by reducing cold spots and downdraughts.
- Up to 33% less glass than triple glazing resulting in lighter IGU's, reducing load on supporting building elements.
- Up to 36% thinner than triple glazing allows standard frames and hardware for double glazing to be utilised.
- Exceptional sound reduction properties ensuring the internal environment is not compromised by external noise pollution.

CUIN is committed to the environment. Not only by its high insulating properties, but also by reducing CO<sub>2</sub> emissions from manufacture through to end of life. Globally 'we' are legally bound to reduce greenhouse gases following the Paris Agreement. CUIN technology will reduce the environmental impact of your building and reduce energy costs throughout the building's life. In addition to this, by switching from triple glazing to CUIN's innovative technology you can reduce CO<sub>2</sub> emissions during the manufacturing process by over 8kg for every square metre of glazing. And as CUIN is thinner and lighter than traditional glazing, transport of materials is vastly reduced in both manufacture and delivery to site. CUIN utilises fully recyclable materials to ensure zero waste.

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