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change your frame of mind

## Introducing Inliten..... the next generation of PVCu windows and doors

Designed and developed in one of the most advanced manufacturing facilities in Europe, Inliten is a unique and superior-performance PVCu profile system.

Combining innovative design and expert know-how, with state-of-the-art machinery and advanced manufacturing techniques, Inliten represents the next phase in PVCu technology.

We have identified and improved upon all existing PVCu products and processes to create a product that perfectly complements today's current climate.

All Inliten products offer only the highest standards of performance in quality, security and energy efficiency guaranteed.

### **Inliten Product Range:**

Inliten 70mm profile system offers a full suite of windows and doors available in a range of style, size, glazing and colour options.....

**Casements** (60mm option available), **Tilt 'n' Turns**, **French Windows**, **Special/Shaped Frames**, **Resi Doors**, **French Doors**, **Stable Doors**, **Sidelights** and **Composite Door outerframes**

**15 year guarantee on all Inliten products**





## Inliten Key Features



### Design

Inliten products feature a unique, innovative design; eliminating many of the flaws associated with existing profile systems. Inliten features a mechanically strong and secure glazing bead, and fully-welded joints for enhanced strength and performance.



### Positive Drainage

Inliten frames feature inbuilt, positive drainage ensuring that any excess water is drained out of the frame, keeping your products water-resistant and ensuring the glazing bead remains securely in place.



### Thermal Efficiency

All Inliten frames are thermally efficient by design; multi-chambers within the profile significantly reduce heat loss from the outset. Double and triple glazed units further enhance the overall thermal efficiency of the window; ensuring a warmer living environment and reduced heating bills.



### Security

Advanced manufacturing processes ensure that all Inliten products are extra strong, tough and durable. Only the highest performance hardware and locking mechanisms are fitted to Inliten products - keeping your home safe and secure.



### Finish

All Inliten products are fully sculptured, giving a shaped, curved appearance for extra character. To further complement this, all windows and doors are also available in a range of foiled colours. All products are manufactured in-house ensuring they are of the highest quality standards.



### Sustainability

Inliten has been designed to meet the demands of the current climate, combining sustainability without compromising the quality or integrity of the product. Advanced manufacturing techniques ensure that all external surfaces are 100% virgin skin and 100% lead-free.



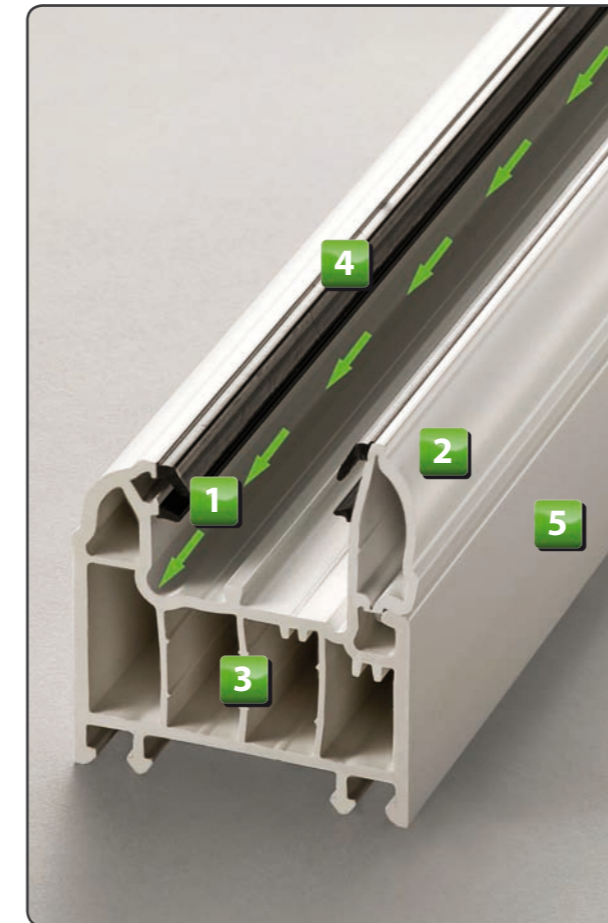


## Innovative Design

### Inliten products represent the next phase in PVCu technology...

Many PVCu products and processes may be considered 'outdated' when assessed against the demands of the current climate. Inliten products, however, are different: through extensive research and development, and investment in manufacturing technologies, all products feature innovative design and superior overall performance as standard.

Below are just some of the innovative design concepts featured in Inliten products:



#### Positive Drainage – Icon 1

Inliten products feature positive drainage systems for enhanced weather-resistance. Inbuilt channels ensure that any excess water flows out of the frame and eliminates the possibility of water build up.

#### Secure Glazing Bead – Icon 2

Inliten frames feature a mechanically strong and secure glazing bead, ensuring all glazing units, whether double or triple glazed, will remain firmly fixed in place.

#### Multi-Chambers – Icon 3

Inliten products feature multi-chambers as standard to reduce heat loss through the frame.

#### Concealed Gaskets – Icon 4

To ensure that the rubber gaskets do not interfere with the glazing area, Inliten frames feature an innovative concealed gasket as standard.

#### External Surfaces – Icon 5

All external surfaces on Inliten products are 100% lead free and feature 100% virgin PVCu skin.

#### Fully-Welded

Inliten frames are fully welded, ensuring greater consistency, strength and aesthetic appearance.

#### Finish

All Inliten products feature a shaped and curved appearance, adding extra character and enhanced aesthetic appeal to your windows and doors.

#### Hardware & Accessories

Designed specifically for Inliten product to ensure longevity of use and superior performance.





## Thermal Efficiency

### Inliten products ensure a warmer living environment and reduced heating bills

Over 20% of heat loss in the home occurs through old or outdated windows and doors, resulting in unnecessarily high home heating bills. Inliten windows and doors are thermally efficient by design; ensuring your home is kept warmer and in turn bringing down those expensive bills.

#### Low U-values

Whole window U-values measure the total heat loss through the window, therefore the lower the U-value the more thermally efficient the window. Inliten products offer U-values as low as 1.2 with double glazing and 0.8 with triple glazing.

Whole window U-values consider a balance between heat loss (Uw), solar gain (G) and air leakage (L), whilst also taking into account other aspects of the window, for example: frame, spacer bar and reinforcement.

**Inliten frames and glass provide minimum heat loss, maximum solar gain and zero air leakage.**

#### Frames

Inliten frames are designed with a number of internal chambers within the profile system. Each chamber acts as a barrier against heat loss from inside the home and against cold air coming in from outside.

This innovative design ensures that the frame itself offers superior thermal efficiency; making it equally as important as the glazing unit.

#### Glazing Units

Inliten energy efficient glazing units feature high-performance **Low E Soft Coat** glass and **warm edge spacer bar**.

Soft Coat maximises heat gain by retaining interior heat and absorbing solar heat. Warm edge spacer bar helps eliminate cold areas and reduce condensation.

Inliten's energy efficient frames and glazing units eliminate the need for other expensive aspects (such as Low Iron glass or Krypton gas), whilst still providing the same high levels of thermal performance and energy efficiency.

All Inliten double glazed windows offer a 1.4 U-value as standard, which equates to a WER "A" rating. Upgrading to triple glazing can further reduce the U-value to as low as 0.8.

By selecting Inliten windows, you could be reducing your home heating bills by up to 40%, thereby improving the overall energy performance of your home.

All Inliten products are independently tested and certified, and exceed building regulation requirements for energy efficiency; which can be beneficial if renting or selling a property.







Resi Door:  
Centre Latch & Dead Bolt

## Enhanced Security

**Inliten products** are manufactured for enhanced strength, security and safety

### Locking

All locking systems are specifically selected to complement Inliten products, ensuring only the highest performance hardware systems; keeping your home safe and secure.

Many door and window components are salt spray tested to 600 hours (up to 3 times more than the industry standard), ensuring longer term performance.

All Inliten products feature multi-point locking, strong hinges and quality handles as standard.

### Frames

Innovative design and manufacturing ensures that all Inliten frames are mechanically strong, extremely tough and durable.

Stringent quality control procedures take place onsite at regular intervals to ensure only a strong, secure and quality product is produced.

Additionally, all Inliten frames are fully welded for a strong and secure overall frame structure and greater finish consistency.

### Glazing

All Inliten windows are internally glazed for extra security. This means that the glazing bead faces the interior of the house and therefore cannot be removed from outside the house; keeping your glazing unit safely and securely in place.

For additional security and safety glazing options, glass can be specified as toughened or laminated.

### Additional Security and Safety Options\*:

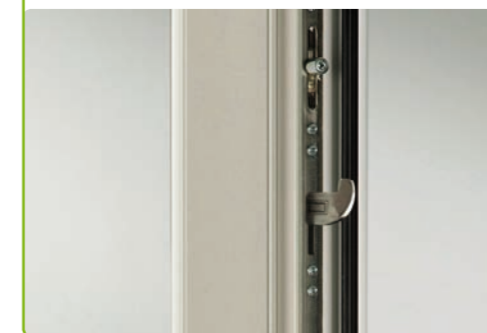
#### Shootbolt

Fitted to windows for enhanced security. Bolts shoot out from both the top and bottom of the locking system and slot securely into keeps on the outerframe.



#### Hook Lock

Fitted to doors for enhanced security. Hooks situated at the top and bottom of the locking system slot securely into keeps on the outerframe.



#### Trojan Hinge

Fitted to windows for enhanced strength. These heavy duty hinges are designed for superior strength, making the frame more secure. Ideal for triple glazed applications.



#### Restrictor Hinge

Fitted to windows for enhanced safety and security. Restrictors automatically activate when the sash is opened (can be released manually from the inside).



\*Extra charges may apply





Charcoal



Cream



Rosewood

## Finishes

### Inliten products are fully sculptured for enhanced appearance

Visual appearance is an important factor when choosing frames, that is why we have designed all our products to only the highest aesthetic standards without compromising on the quality.

#### Sculptured Finish

All Inliten frames are fully sculptured for an enhanced visual appearance, marking a positive move away from the 'straight lines' typically associated with PVCu windows and doors.

The curved, shaped finish of Inliten products adds extra character to your windows and doors, ensuring they become a 'feature' of your home (rather than just a necessity!)

#### Surface

Advanced manufacturing processes and stringent quality control procedures ensure that all Inliten products are flawless in appearance. This is further enhanced by Inliten's innovative profile design: all external surfaces are **100% lead free** and feature only **100% virgin PVCu skin**.

#### Gaskets

All glazing gaskets are designed to be concealed, ensuring that your view is not obstructed and your product maintains its high-standard of performance.

#### Colours

To further complement Inliten windows and doors, a range of traditional and contemporary foiled colours are available:



White



Oak



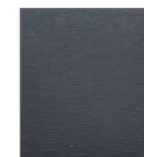
Rosewood



Black



Cream



Charcoal



Red\*



Silver Grey\*

\* Non Stock Colours

#### Inliten In-situ

From warm, traditional Oak to sleek, modern Black Inliten frames are suitable for both new build and replacement projects, and perfectly complement all house-styles.







## Sustainability

**Inliten products** meet the stringent sustainability demands of the current climate without compromising on quality...

### Waste Reduction

Inliten's unique and innovative manufacturing processes virtually eliminates any material wastage. In fact, using Inliten products can reduce the amount of waste going into landfill by up to 55 tonnes per week.

### Carbon Emissions

Inliten frames are energy efficient by design, even before adding a glass unit, thereby **reducing carbon emissions by up to 70%** (in comparison to old frames).

### Lead Free

Lead-free products are in high demand in today's current climate, especially in PVCu products where it is believed to result in frame discolouration. All Inliten products are therefore **100% lead free** on all visible surfaces.

### Frame Longevity

As a result of innovative design and manufacturing processes, Inliten products feature **100% virgin skin** on all visible surfaces, ensuring a longer term performance without compromising on overall quality or appearance. **All Inliten products are covered by a 15 year guarantee.**

### Energy Efficient

All Inliten windows and doors are designed for maximum energy efficiency. By specifying Inliten you can be sure of only the highest quality and performance products, whilst still retaining enhanced energy efficiency and sustainability.

### Inliten Case Study

This house in Co.Antrim had all windows and doors upgraded to Inliten in April 2012. The house was previously fitted with white PVCu windows and basic double glazing (float/air) in 1999.

The homeowner was concerned that the windows were now dated looking and letting too much heat escape from the home.

The homeowner was keen to upgrade to a high performance product whilst still keeping costs to a minimum. After researching various options, the homeowner chose Inliten windows and doors.

The house now features 10 windows, 1 residential door and 1 set of French doors, all in Rosewood with a decorative glass finishing. All products were fitted with an Argon/Soft Coat sealed unit, achieving a WER "A" rating.

The homeowner commented: "I am delighted with my new Inliten windows and doors, they are a vast improvement on my old windows! Everyone has commented on how good they look and how they set my house apart from the other houses in the area that still feature the old frames."

"Due to our unpredictable Summer weather, I was worried that I would have to keep my heating on more. However I have noticed that since I got my Inliten windows and doors fitted, I don't have to put the heating on as much (good news for my wallet!) and the house feels a lot warmer in general."

