

# J&C Architectural Ltd

LINIT GLASS • M&E • FIT OUT • AUTOMIST

LINIT CHANNEL GLAZING SPECIALISTS

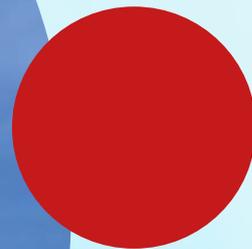
DESIGN.  
SUPPLY.  
INSTALL.



Incorporated in November 2008 J&C Architectural Ltd are a specialist installer of the LINIT U-Profile glazing system.

Throughout the entire construction process be it planning, budgeting, technical specification, value engineering or design and installation we are here to help. Our founding years, through the worst recession in recent history, moulded the way in which J&C operate as a business, and further ingrained the need to be cooperative and solution-based thinkers.

**DESIGN.**  
**SUPPLY.**  
**INSTALL.**





**SUCCESSFULLY  
PARTNERING SOME  
OF THE UK'S LARGEST  
CONSTRUCTION  
COMPANIES**

## **STRUCTURAL GLAZING**

The Channel shape of the Linit glass allows for incredible, uninterrupted lengths up to 7 metres.

## **FULLY TESTED**

Tested to current EN building standards and produced cradle to gate in the same factory - you can choose Linit Channel glass with confidence.

## **VERSATILITY**

Suitable for large external facades to internal feature walls. The fully bespoke Channel glass system can be useful wherever needed on your next design. Speak to our team to find out more!



# U-CHANNEL GLASS TYPES AND USE

The minimalist concept of self-supporting structural glass channels neatly shuffle glazed into a proprietary frame allows for innovative and diverse architectural design philosophies. The simplistic nature of needing few components that can be utilised in numerous arrangements to achieve the project goals allows for a malleable design process. This flexibility of the system combined with the near countless finish combinations makes the Linit U-Profile Glass System a Designer's dream limited only by imagination.

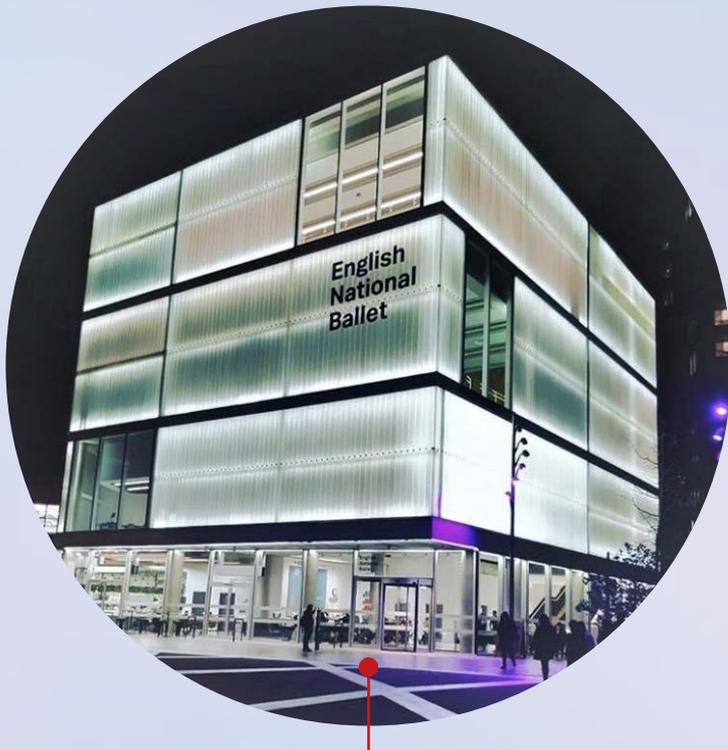
**LINIT U-CHANNEL GLASS IS AVAILABLE IN SEVERAL SURFACE FINISHES SUCH AS CORD, SOLAR, CLARISSIMO, ROUGHCAST, MAGICO AND PRISMASOLAR. THESE SURFACE FINISHES CAN THEN BE COMBINED WITH APPLICATIONS SUCH AS SANDBLASTING, ENAMEL PAINT OR COLOURED FILMS TO ACHIEVE THE DESIRED APPEARANCE. SOME EXAMPLES ARE ON THE FOLLOWING PAGES TO PROVIDE IDEAS FROM PROJECTS WE'VE COMPLETED.**

**LINIT U-CHANNEL GLASS IS ALSO AVAILABLE IN SEVERAL STANDARD MODULE WIDTHS SUCH AS P23 (232MM), P26 (262MM) AND P33 (331MM). OTHER MODULE WIDTHS SUCH AS P29 (290MM), P40 (404MM) AND P50 (498MM) ARE AVAILABLE BY SPECIAL ORDER. LINIT GLASS IS ALSO AVAILABLE IN LOW IRON VARIANTS AND IN BOTH 8-WIRE ANNEALED, TOUGHENED AND LAMINATED FINISHES.**



Visit our Website to see the glass types and endless combinations that can be achieved.

# Linit U-Channel Glass can be used as the main element of the façade or as a feature within other elements such as curtainwall or metal panel



At the award winning (2021) **English National Ballet** project, J&C Architectural installed 7m tall spans of Linit glass on some elevations and Curtainwall (Schueco Viss-Ixtra system) on others.”



**Sussex House** was the renovation and recladding of an existing building near Leicester Square which combined Linit feature panels with stone cladding and strip windows. The combination of the Linit panels and the strip windows enhanced the natural light being allowed through to the interior floors while also providing an amount of privacy.



At **Queensmill School**, Linit Glass was used as both main cladding elements and in combination with a metal panel system to maximise natural light into the classrooms.

# CREATE PATTERNS

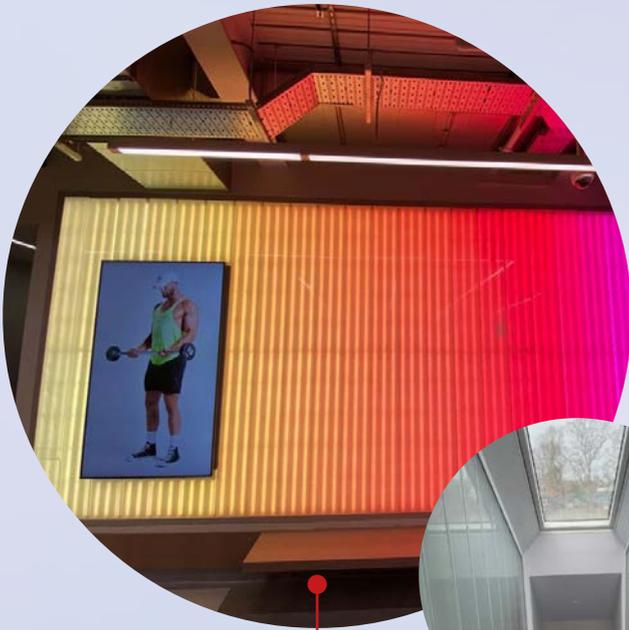
The different surface finishes of Linit glass such as Cord can then be combined with sandblasting, enamel paints and coloured films to create patterns, bar codes or just an overall field appearance to the façade.

At **Harris Academy**, a bar code effect is created by utilising two surface finishes (Cord & Clarissimo) with a sandblast on some panels, with an additional white-out effect by utilising Lamberts Thermolight insulation between the panels.



At **Narrow Quay House** in Bristol, a different bar code effect was created using different enamel colours on the glass in addition to the sweeping S-Curve giving a very distinctive look to the main entrance of the building. The enamel paint is available in any RAL colour with an endless number of combinations that can be achieved.

# INTERNAL SCREENS / PRIVACY PARTITIONS



**Gymshark** has adopted the Linit u-channel glass system to form a feature wall in their store. This bright and colourful wall is backlit by LED lights which are programmed to change colours in the full spectrum range giving the store a bright modern look. The Linit glass wall was also adapted by J&C Architectural to include a recessed and built in TV screen which allows for programmable displays and advertising within the feature wall.



At **Chester Theatre** an LED backlit feature wall was installed to create separation between the Atrium space and the bookshelf area. This curved and backlit glass wall forms one of the main features of the atrium space giving it a bright and spacious look while providing the separation to the bookshelves for privacy and linking back to the u-channel glass also used in the façade to provide natural light to the interior of the building.

# CURVES & TAPERS



In the **LPP Reserved** stores, the Linit glass system is used to provide separation or screening between public areas and private areas. Linit Glass was installed on a tight curve and then backlit with strip LED lights to create bright feature walls which flow with the layout of the store.



At **Blackburn Sport and Leisure Centre**, the Linit glass system was used to create a curved bullnose corner on the building to match the curved metal rainscreen system, while at the same time providing a sweeping S-Curve taper to the glass in the vertical plane - the outcome being a very distinctive feature to what was a plain brick wall. The versatility of the Linit Glass system allows us to create vertical and horizontal facades that follow the lines of the building in ways that would not be possible for other materials, while at the same time providing natural light to the building interior.

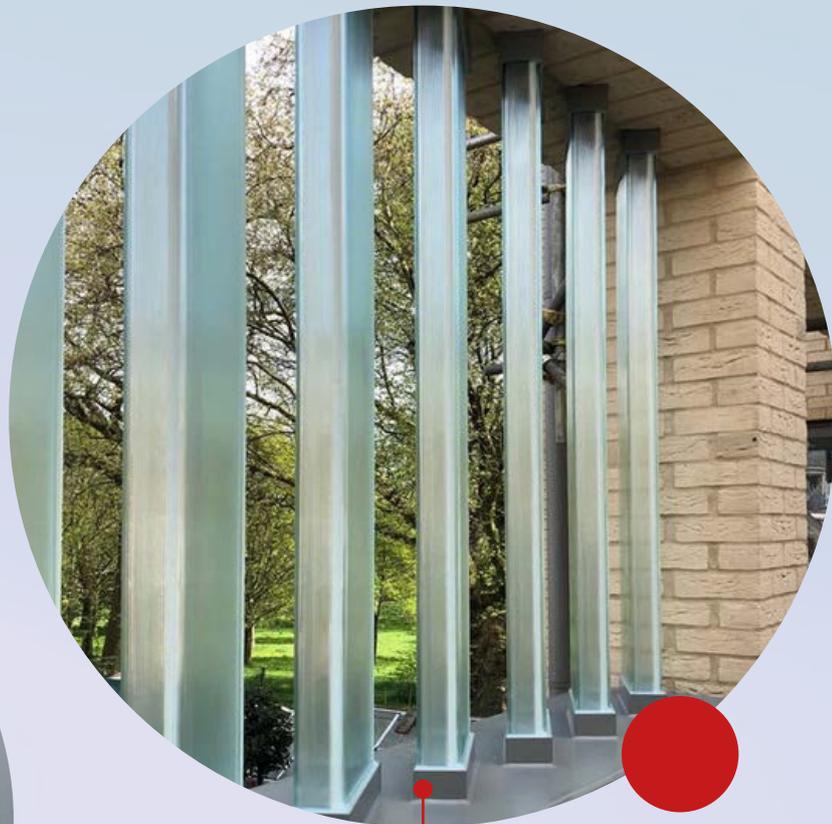


At **Broadmarsh Car Park**, the Linit Glass system was used to create an open jointed façade with sweeping bullnose corners and curves. The three different glass surface finishes combined with an enamel paint finish enabled the design team to create a randomised bar code across the façade while providing the ventilation required to the car park interior and avoiding the need for air extraction systems.

# SCREENS & LOUVRES



The ability of the Linit Glass system to be installed open jointed has resulted in its use across numerous buildings as a rooftop plant screen. At the **Southbank Centre**, the rooftop equipment is concealed behind a glass screen which allows ventilation to the equipment for air intake and cooling, while providing an aesthetic crown to the top of the building.



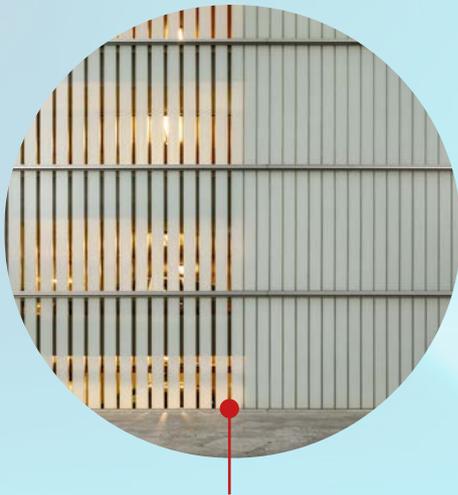
Linit glass panels can also be used to create a bespoke open louvre system, both vertically and horizontally mounted, which provides the required air flow and screening to the area behind. At **Lea Bridge Road**, Linit panels were used in a bespoke frame to create a louvered privacy screen on the amenities terrace.

This provides the residents with a screened area to enjoy the outdoors while providing privacy, natural light and airflow through the screen.

# U-CHANNEL GLASS INSTALLATIONS

Did you know that Linit U-Channel Glass can be installed Vertically, Horizontally or even in some cases on an Incline?

Linit U-Channels can be installed as a Single glazed screen or “nested” to form Double or even Triple glazed systems which when combined with an e-coating can enhance the U-value of the façade to achieve 1.2 w/m<sup>2</sup>K, or even 1.1 w/m<sup>2</sup>K with the double track triple glazed system.



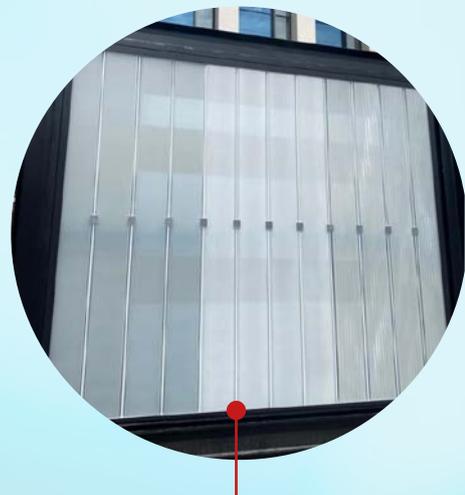
Single Glazed Screen –  
Vertically Installed



Double Glazed Screen –  
Vertically Installed



Triple Glazed Screen –  
Vertically Installed



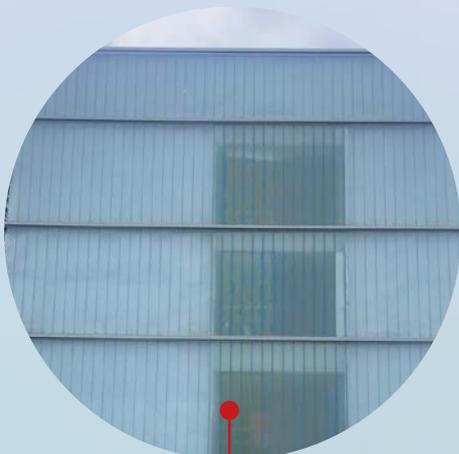
Laminated Single Glazed Screen –  
Vertically Installed



Single Glazed Screen –  
Horizontally Installed



Double Glazed Screen –  
Horizontally Installed



Double Glazed Screen with Partial  
Sandblasting for Vision Panels



Single Glazed Screen with  
Coloured film

# U-CHANNEL GLASS TYPICAL DATA

Different glass finishes and combinations can achieve different U-Value, g-value, t-value and Acoustic properties. Below are some typical combinations – Please contact J&C Architectural to discuss your specific requirements.

Glass Type	System	U-Value (w/m2K)	g-Value	t-Value	Acoustics (db)
504 Roughcast	Single	5.6	0.85	0.89	No Rating
504 Roughcast	Single Sandblast	5.6	0.72	0.71	No Rating
Clarissimo	Single	5.6	0.86	0.90	No Rating
Solar	Single	5.6	0.89	0.85	No Rating
Cord	Single	5.6	0.85	0.82	No Rating
504 Roughcast	Double	2.8	0.75	1.79	43
504 Roughcast	Double Sandblast	2.8	0.57	0.53	43
Clarissimo	Double	2.8	0.64	0.64	43
Solar	Double	2.8	0.75	0.79	43
Solar Low Iron	Double	2.8	0.81	0.84	43
Solar	Double W1.7 E-Coating	1.8	0.71	0.73	43
Cord	Double	2.8	0.71	0.74	43
504 Roughcast	Triple W1.7 E-Coating in Single Track	1.5	0.49	0.45	Between 43 & 57dB
504 Roughcast W1.7 E-Coating	Triple in Double Track	1.2	0.54	0.57	57dB

For more than 15 years J&C Architectural has been advising, designing, supplying and installing Linit U-Channel glazing.

## CONTACT US

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For buildings under 18m in height, Lamberts specialised Thermolight translucent insulation can also be added to enhance the u-values.

For our Linit Technical Brochure, Please visit the J&C Architectural website for a free download. Our Technical Team are also available to assist with any questions you may have.



Linit Glass is manufactured in an oxygen fired melting furnace, which is currently the most ecologically sustainable method available. This unique furnace has an intricate filter system that reduces any remaining emissions to levels that have become a benchmark across the globe. To find out more about Linit Eco-Glass, please visit our website or use the QR code to download a copy of our Environmental Product Declaration.

