



High performance windows & doors



COMMERCIAL APPLICATIONS
Residential care homes
& sheltered housing





Deceuninck is a 79 year old global PVC group with large scale operations in Western Europe, Central & Eastern Europe, Turkey and North America. We are one of the Top 3 players in Europe, with a leading presence in the UK. Our extensive range of innovative high performance PVC-U windows and doors ensures our products are the preferred choice for your commercial projects.



Why Deceuninck?

10 Production sites worldwide

Deceuninck is a leading global PVC-U window and door extrusion company established in 1937. Our UK operations in Calne, Wiltshire were set up in 1983, over 30 years ago.

We have 10 production sites worldwide, manufacturing over 200,000 tonnes of compound. That's around 1,000,000 windows a year, sold in over 75 countries.

Passion for Excellence

We understand the important role of windows and doors in the building envelope. Natural light, ventilation, ease of operation and energy efficiency are all key criteria when choosing the right products for your project. Architects and specifiers look for quality, versatility and consistency as well as great looking windows.

Our passion for innovative design, high performance and continuous improvement means our PVC-U windows and doors are technologically advanced, giving you the best in durability, reliability, thermal insulation, design and colour. Our products stand out and stay beautiful for longer, with very little maintenance.

We produce our own tooling to ensure full control over the quality of our products. This allows us to constantly monitor and maintain existing tools, and guarantees consistently high-quality manufacturing.

Deceuninck's production sites

- Bogen, DE
- Calne, UK
- Gits, BE
- Izmir, TR
- Kocaeli, TR
- Monroe, US
- Pozan, PL
- Protvino, RU
- Roye, FR



No.1 PVC-U Recycling Plant

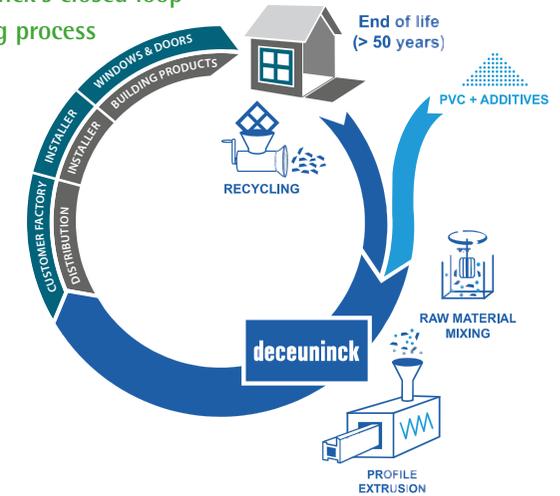
All Deceuninck products are 100% recyclable at the end of their lives – in fact a key benefit of PVC is that it can be recycled up to 10 times without a problem.

We have been recycling our own production waste for 50 years. Our recycling plant in Belgium is the **No.1 plant in the Benelux**. It has a 20,000 tonne capacity and is the largest of its kind in Europe for rigid PVC recycling. Our closed loop approach means we collect, transport, sort and recycle end-of-life PVC-U windows to produce material for new window frames.

As members of the British Plastics Federation (BPF), Deceuninck supports VinylPlus, which is part of the RecoVinyl Scheme, a Europe wide initiative to ensure end-of-life post-consumer PVC waste is collected and recycled.



Deceuninck's closed loop recycling process



The VinylPlus commitment includes an ambitious set of sustainable development targets centered on five commitments:

1. Controlled Loop Management and the development of innovative recycling technologies;
2. Addressing concerns about organochlorine emissions;
3. Ensuring the sustainable use of additives;
4. Enhancing energy efficiency and the use of renewable energy and raw materials in PVC production;
5. Promoting sustainability throughout the whole PVC value chain.

For more information, visit www.bpf.co.uk

PVC-U: The material of choice

Durable, sustainable and low maintenance

PVC-U window and door installations account for 80% of the total market, making it the material of choice for most commercial projects. The reasons are clear. PVC-U is:

- Highly energy efficient
- Recyclable
- Sustainable
- Lightweight
- Low maintenance
- Durable & long lasting
- Does not corrode, rot, warp, peel or chip

Compared to other materials, PVC-U windows and doors have an average life of 35-50 years in normal urban environments, and in reality last a lot longer. The material does not require repainting and is easy to keep clean.

For more information, visit www.bpf.co.uk



Deceuninck Windows & Doors

The preferred choice for care homes & sheltered housing

When it comes to selecting the right windows and doors for your residential care homes or sheltered housing projects, you'll want to strike the optimum balance between energy efficiency, security, weather performance, durability, low maintenance, colour and great looks.

Reliability is also important. Time is of the essence when it comes to managing large projects, with tight schedules at each stage. On time, in full deliveries and efficient installation are key criteria.

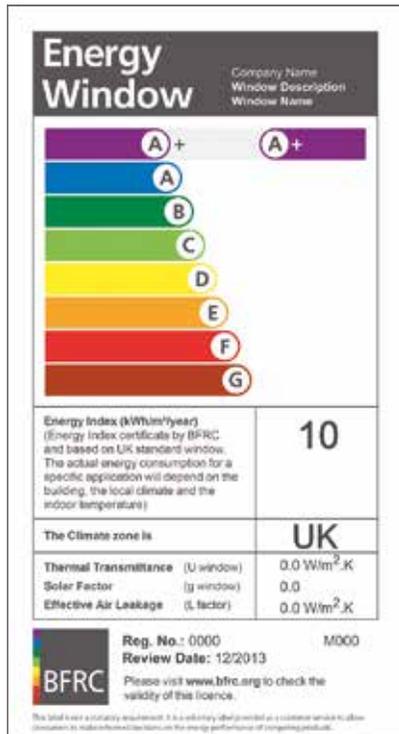
Deceuninck has been manufacturing window and door profile for the domestic, public and commercial sectors for many years. Our strong and knowledgeable network of fabricators and installers provide the best in quality, on time delivery and installation.





Energy Efficient

High performance double & triple glazing



Energy Window	
Company Name Window Description Window Name	
A+ A+	
A	
B	
C	
D	
E	
F	
G	
Energy Index (kWh/m ² /year) (Energy Index certificate by BFRC and based on UK standard window. The actual energy consumption for a specific application will depend on the building, the local climate and the indoor temperature)	10
The Climate zone is	UK
Thermal Transmittance (U window)	0.0 W/m ² ·K
Solar Factor (g window)	0.0
Effective Air Leakage (L factor)	0.0 W/m ² ·K
Reg. No.: 0000 M000 Review Date: 12/2013	
BFRC Please visit www.bfrc.org to check the validity of this licence.	

Specifying windows and doors with the highest thermal performance is vital at a time of soaring energy costs and Government's drive to improve the energy efficiency of buildings.

Energy rated windows stop heat escaping and capture warmth from natural sunlight, helping save money on fuel bills.

Deceuninck's high performance double glazed windows achieve A+ energy rating, or a U-value as low as **1.2 W/m²K**, providing superb thermal insulation.

Our triple glazed windows achieve A++ energy rating, or a U-value as low as **0.9 W/m²K** for the best in energy efficiency.

Thermal Chamber Insulator (TCI)

Deceuninck's TCI is a PVC thermal insert placed inside the window profile, replacing steel reinforcement. Based on theoretical thermal modelling tests, we found that by using PVC Thermal Chamber Inserts instead of steel, window energy ratings and U-values are significantly improved. PVC thermal inserts also weigh less than steel, and are 100% recyclable.

Deceuninck's TCI product meets the following British Standards:

- BS 7412 – Specification for PVC-U Windows & Doorsets
- PAS 24 – Enhanced Security for Windows & Doorsets



Deceuninck's triple glazed windows achieve a U-value as low as 0.9 W/m²K for the best in energy efficiency



Improved U-values with Deceuninck's thermal inserts



Unique glass fibre technology improves thermal efficiency by 30%



Built-in Security

Enhanced high security performance windows & doors

Installing safe and secure windows and doors is essential for care homes or sheltered housing. Our wide range of hardware is strong and secure, without compromising on look and style.

Deceuninck's range of modern, contemporary and period style windows incorporate the latest built-in safety features, including internal glazing and a locking system for ultimate protection.

All our windows and doors are fitted with hinge protectors at the back of the sash to provide enhanced resistance to forced entry.

We've also taken the latest anti-bump, anti-snap cylinder technology and built it straight into our doors as standard.

Our suite of windows and doors has been tested to and achieves the following security certification:

- Secured by Design – windows and doors
- PAS 24 – windows and doors



KM 25857
BS EN 12608



KM 33904
PAS 24 - Windows



KM 57124
PAS 24 - Doors



ISO 9001 - ISCAROBI



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Outstanding Weather Performance

It's almost impossible to prevent some wind-driven water getting into windows. Good window design provides an efficient way to drain it quickly back out. Efficient drainage protects hardware and glazed units against degradation and maintains high-exposure performance throughout the long life of a PVC-U window.

Deceuninck's windows include a multi-functional weatherseal, manufactured from high performance thermoplastic elastomers. The unique design ensures unrivalled weather performance. The weatherseal is welded at the corners, providing an all-round seal against wind and rain, as well as improved insulation.

Our windows are tested to the latest British and European standards for water ingress, air permeability and wind resistance.

- EN 1026: Air Permeability
- EN 1027: Water Tightness
- EN 12211: Wind Resistance





No.1 in Colour

We understand each project is different so it's important that architects and specifiers have a choice in colour and innovative design.

Colour is in huge demand and growing. In some part of the UK, colour represents up to 40% of window installations. As a result, colour options for PVC-U windows have grown significantly in recent years.

Deceuninck leads in colour. We sell 50% more coloured profile than the industry average with our extensive range of foils, painted profile and contemporary colours to suit a variety of project styles.

Our colour choices include:

- Colours by Deceuninck
- Decoroc: contemporary colours with a matt satin finish

COLOURS
by deceuninck

DECOROC
by deceuninck



COLOURS

by deceuninck

An extensive choice of woodgrain finishes, each with matching ancillaries, trims and accessories. Choose any combination, or combine two complementary foils.

We have a wide range of subtle and standout colours to use singly or in creative colour way combinations to suit different project designs.

All our foils are extremely durable and come with a 10 year manufacturer's guarantee.



 White Grain	 Heritage White	 Ice Cream	 Classic Cream	 Agate Grey
 Slate Grey	 Grey	 Soft Cherry	 Quartz Grey	 Chartwell Green
 Steel Blue	 Dark Red	 Moss Green	 Vin Rouge	 Smooth Anthracite
 Black Ash	 Fir Green	 Rustic Cherry	 English Oak	 Anthracite Grey
 Golden Oak	 Antique Oak	 Grey Cedar	 Irish Oak	 Rosewood
 Nut Tree	 Silver Bullet*	 Bronze Metallic*	 Pyrite Metallic*	<p>We have produced the colour swatches as accurately as printing will allow. Please ask to see our swatch book for precise reference.</p> <p>*Only available in Traditional 2500</p>

UNIQUE!

DECOROC

by deceuninck

Decoroc is the preferred choice to Aluminium. It represents an extensive range of contemporary colours with a matt satin finish, perfect for your commercial projects.

Our Decoroc coating system applies a unique, tough and textured oven-cured coating which is incredibly durable, scratch resistant and cost effective - during the Decoroc coating process, each profile is inspected to check the visual appearance, scratch resistance, hardness and adhesion.

It is easy to clean and maintain. Graffiti, cement and other marks can be easily removed without affecting the finish of the profile.

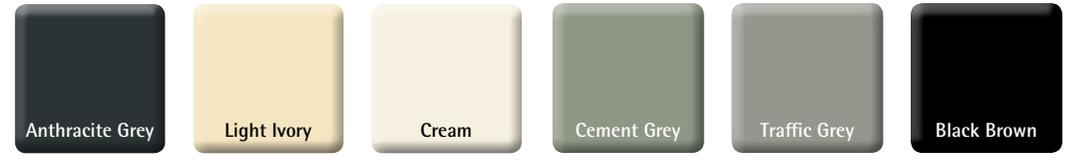
Decoroc's colour options can be mixed and matched with one colour on the outside and another on the inside. Most RAL colours are available on minimum order quantities.

Decoroc comes with a 10 year guarantee.



Most RAL colours available

Colours available on a short lead time



Additional colours



Lifetime Homes



The concept of Lifetime Homes was developed in the early 1990s to ensure that homes are accessible and inclusive.

Lifetime Homes are ordinary homes designed to incorporate **16 Design Criteria** that can be universally applied to new homes at minimal cost. Each design feature adds to the comfort and convenience of the home and supports the changing needs of individuals and families at different stages of life. Meeting all 16 Design Criteria gives architects, planners, developers and builders the assurance that all of Part M Building Regulations are met.

Lifetime Homes are all about flexibility and adaptability; they are not 'special', but are thoughtfully designed to create and encourage better living environments for everyone. The initiative rarely requires greater space standards and should not impact on the density of a development. In fact, because of the thoughtful design, Lifetime Homes often feel more spacious, a feature which is important in high density developments.

All our products meet the Lifetime Homes Standard –
Criteria 15 Glazing & Window Heights

For more information visit: www.lifetimehomes.org.uk



Innovative Design

We take our inspiration from the buildings and environment around us. So our designs and innovations are flexible, versatile and created to suit a wide range of commercial projects, contemporary or traditional.

Deceuninck's wide and innovative range of PVC-U windows and doors represents the kind of intelligent design and thinking that makes its products market leaders.

The range includes...

Traditional 2500 Casement Window Years of research and development has resulted in a technically advanced system ideal for commercial projects. It offers the best in weather-proofing, energy efficiency, security and contemporary design. A chamfered system with equal sightlines to give a cleaner view inside and out for style and elegance.

Heritage 2800 Casement Window This decorative system offers the elegance of traditional timber with all the benefits of PVC-U. Its sculptured shape and symmetrical design plus an unbeatable choice of colour from stock means this system will give your project the perfect balance in design and look. It is PAS24 accredited and achieves U-values as low as 0.9W/m²K. The unique design of this system also ensures unrivalled wind resistance, water tightness and air permeability.

Contemporary 5000 Casement Window This unique window and door suite embraces high performance in a contemporary design. It is modern and sleek with a unique 'pencil round' feature.

NEW Fully Reversible Window Ideal for medium to high-rise developments, Deceuninck's new Fully Reversible Window (FRW) is best-in-class for weather and thermal performance. It achieves PAS24 for security and top weather performance with Class A4, 600Pa Air Permeability; Class 9A, E1050Pa Water Tightness; and Class A5, AE2400Pa Wind Loading. It also achieves 1.3 U-value double glazed, and an outstanding 1.0 U-value triple glazed using Deceuninck's fully reinforced patented BlueForce steel-wire foam technology.

With up to 1.4m x 1.4m maximum size and an 80kg weight limit, it is perfect for use in modern buildings with large window apertures. It's built for the real world. Moving the fitting position away from the gearing means the fixing doesn't interrupt the rotation of the window. The extra screw fixing and lug fixing options make it quicker and easier to install. No more drilling through reinforcement! The high weight and size limits and top technical performance mean specifiers know they can get a product which covers all their project's criteria.

NEW Slider24 Patio Door Deceuninck's new Slider24 is made for the Great Indoors. Superior by design and unbeatable on performance, this new sliding patio door suites with Deceuninck's Heritage 2800 Window System. It leads with Class A4, 600pa Air Permeability; Class E8A, 450pa Water Tightness; Class A3, 1200pa Wind Resistance; Door set energy rating and PAS24 Security.

PLUS...

UNIQUE Glass Fibre Technology Deceuninck's patented ground-breaking Linktrusion® technology is the first to remove the need for traditional steel reinforcement. Linktrusion® is the combination of glass fibre reinforced PVC profiles and an extruded reinforcement profile with embedded steel wires in a low density insulating foam core. Windows with Linktrusion are as strong as steel reinforced windows, but 30% more thermally efficient, with up to 40% saving on materials and weight. The windows are 100% recyclable.

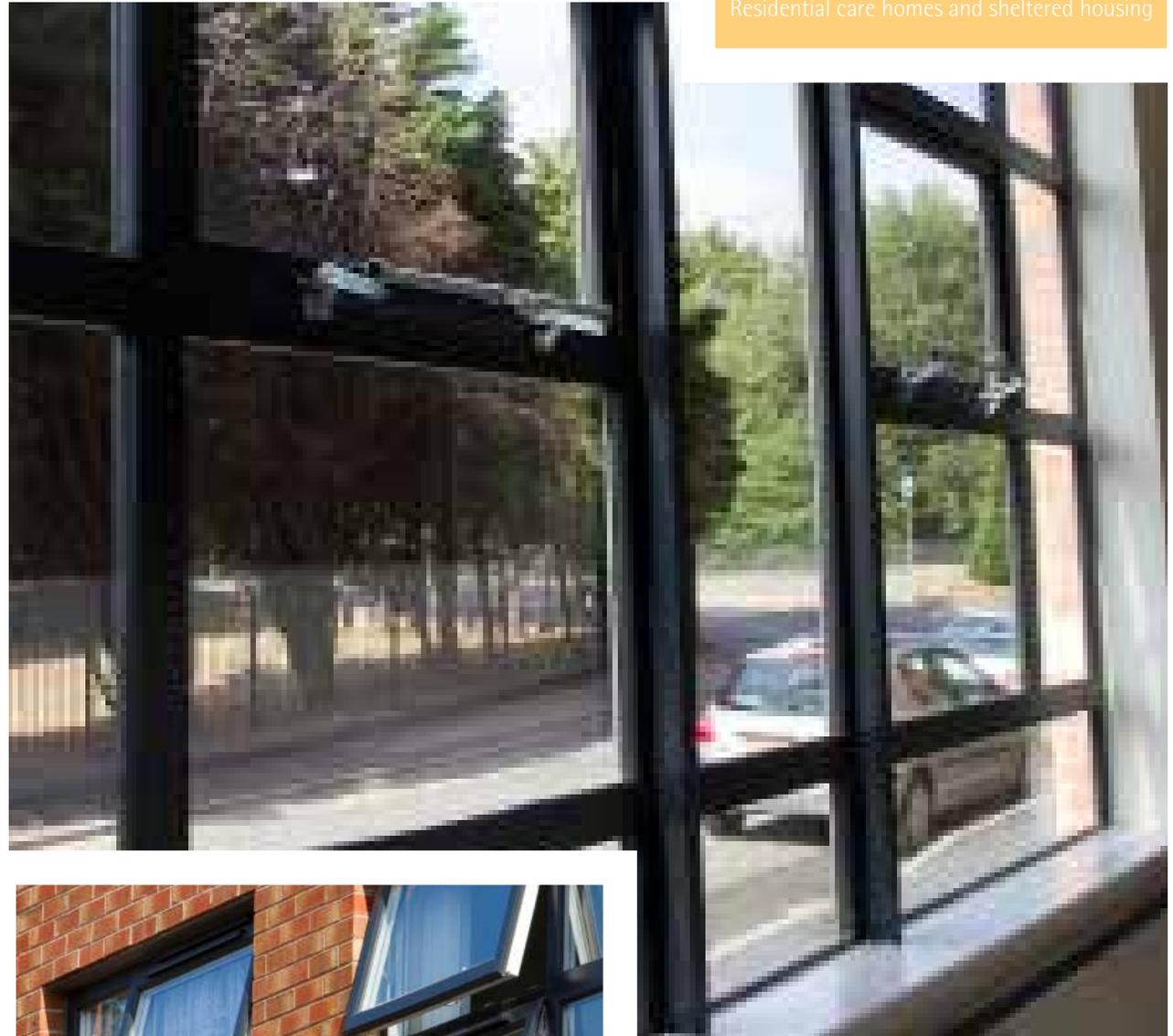




Case Study - Wolsey Buildings

The former Sangra textile building in Belgrave, Leicester was recently transformed into 102 new homes, including 62 extra care apartments. We were able to demonstrate that by using Deceuninck coloured PVCU frames, the project could make savings circa £60,000 without detracting from the project.

Over 330 windows were installed. A sympathetic redesign of the historic building was achieved ensuring the windows met the precise aesthetics needed to achieve a successful result.



Case Study - Pierhead Housing

Deceuninck's windows & doors in a traditional Rosewood finish were recently installed at Chestnut Court sheltered housing in Litherland, Liverpool to replace failing timber windows.

Deceuninck was the preferred system due to its technical efficiency and superior aesthetics. Our profile offers improved security performance and increased thermal insulation; two vital elements in the specification criteria.





Technical Support

Our Technical Team are at hand to help you specify the correct product for your project. They will guide you at each stage on the use of products, samples, drawings and specifications.

Our technical and design service includes:

NBS Plus

Our technical product information is included in this dedicated library of manufacturers' product information, contained within the UK's industry leading specification products NBS Create and NBS Building. Products listed in NBS Plus are directly linked to specific clauses and can be imported instantaneously into a specification. NBS Plus contains over 20,000 product specifications and is updated regularly, so designers can be confident that they are always referencing the very latest product information.



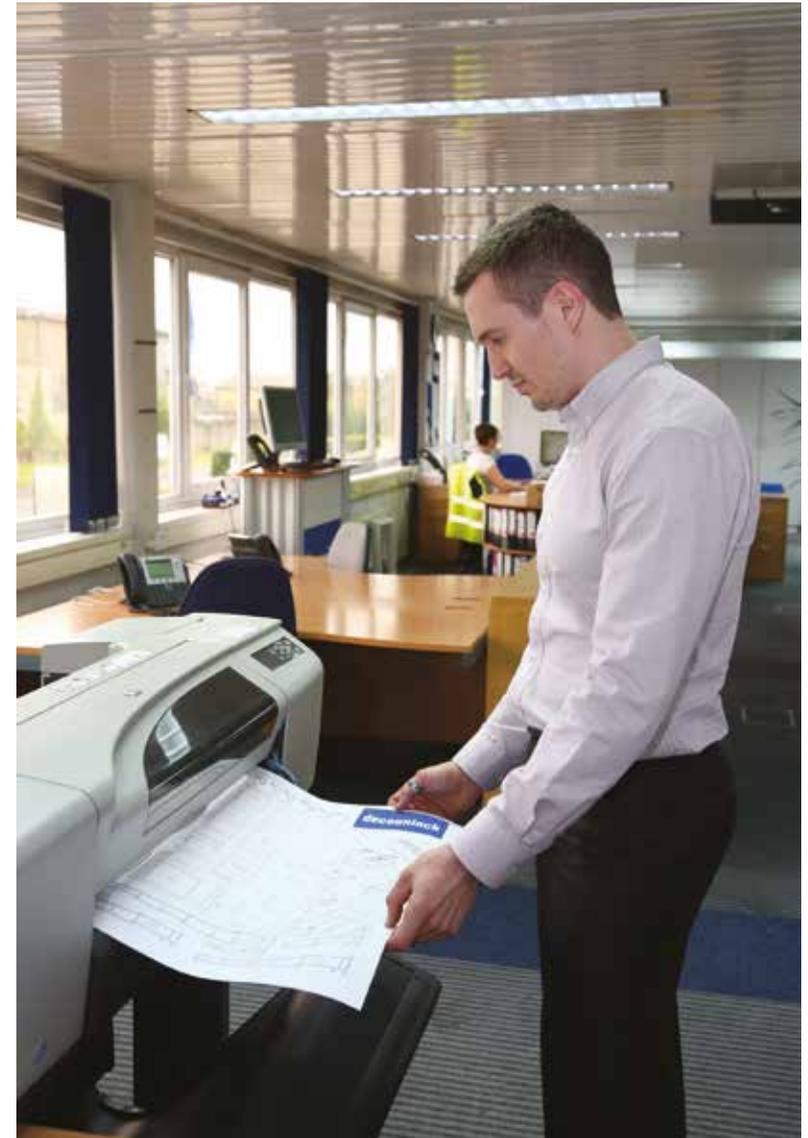
RIBA Product Selector

Find our product catalogues, technical documents and design files within the industry-leading and definitive online index of manufacturers' product information. RIBA Product Selector is a free resource for construction professionals to research and select construction product and service information for all types of building design projects, and can be browsed by CI/SfB classification to assist with product selection.



NBS National BIM Library

Our products are available as BIM objects within the UK's fastest growing BIM Library where they are placed directly in front of specifiers working on Level 2 BIM projects. The NBS National BIM Library is free to use and is the only BIM object library which links directly to NBS specification software and to the NBS BIM Toolkit – an essential requirement for Level 2 BIM. All our objects are authored to meet the requirements of the internationally recognised NBS BIM Object Standard.



PLUS

- Technical review to confirm compliance with Building Regulations, including Document L
- Advice on exposure conditions
- Wind load calculations
- Generation of scheme drawings for tendering purposes
- Framing construction and design solutions
- Window samples for client/authority approval

Quality Assurance



ISO9001 • ISO14001



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BS EN ISO 9001

Quality Management systems.

BS EN ISO 14001

Registered Environmental Management System.



KM 33904

PAS 24 - Windows



KM 57124

PAS 24 - Doors

PAS 24 SYSTEM SUPPLIER

General and enhanced security performance for windows and doors.



KM 25857
BS EN 12608

BS EN 12608

PVC-U profiles for the fabrication of windows and doors, classification requirements and test methods.



SECURED BY DESIGN

Secured by design is the UK Police flagship initiative supporting the principles of 'designing out crime' by use of effective crime prevention and security standards.



CE MARKING

Meeting European standards and regulations.

Contact us

MANAGING DIRECTOR

Roy Frost

roy.frost@deceuninck.com

SALES DIRECTOR

Rob McGlennon

rob.mcglennon@deceuninck.com

COMMERCIAL SALES MANAGER

John Duckworth

john.duckworth@deceuninck.com

SENIOR FIELD TECHNICIAN

Tony Bethell

tony.bethell@deceuninck.com

TECHNICAL SUPPORT ENGINEER

Mark Castle

mark.castle@deceuninck.com

CUSTOMER SERVICES MANAGER

Carol Hearn

carol.hearn@deceuninck.com



GENERAL ENQUIRIES

Deceuninck Limited

Stanier Road

Porte Marsh Industrial Estate

Calne

Wiltshire SN11 9PX

Phone: 01249 816 969

Fax: 01249 815 234

Email: info@deceuninckltd.com

Website: www.deceuninck.co.uk



Written and designed by MRA Marketing 2016

deceuninck

Deceuninck Limited • Stanier Road • Porte Marsh Industrial Estate • Calne • Wiltshire SN11 9PX
T 01249 816 969 • F 01249 815 234 • deceuninck.ltd@deceuninck.com • www.deceuninck.co.uk