

EDUCATION GUIDE

WINDOWS, DOORS AND CURTAIN WALLING



THE BEST WINDOWS ARE MADE BY **PROFILE22[®]**



Windows, doors and curtain walling

Profile 22 is the most widely specified window, door and curtain walling system for educational buildings. From tiny acorns grow mighty oaks; whatever your project requirements from small extensions through to extensive refurbishment we have the solution.

The benefits new windows can bring to schools, academies, colleges and universities are remarkable. Whilst instantly transforming a tired-looking building into a secure learning environment, PVC-U windows also vastly improve the thermal performance of the building and lower heating bills. The Building Research Establishment (BRE) rates PVC-U windows A+ for commercial buildings making it the most sustainable choice for specifiers.

About Profile 22

Profile 22's windows and doors are the perfect solution for educational buildings to improve energy-efficiency, security, lower heating bills and transform a tired looking building. An investment in PVC-U windows and doors could be just what your building needs, and with our range of different foiled colour options, you can even match your school's colours.

Profile 22 is the UK's leading PVC-U window and door systems company boasting more than 30 years' experience. We are proud to say we possess the UK's most widely specified PVC-U window and door system. All of our products are backed-up by unrivalled technical support, knowledge of contracts, government initiatives and industry expertise.



Achieves
WER A++
on commercial buildings



Creating stimulating learning environments



Get it right

Whatever the specification, budget, project size and demands of your project, we understand that picking the right contractor is never easy. Closing your building for refurbishment is not always an option. You need a contractor who can work around your busy timetable whilst ensuring minimum disruption.

Most schools replace their windows and doors as part of a phased completion process. Our contractors can create a works schedule, often spanning several years, which suits your school's financial requirements and plans. Profile 22 can also advise on the likely energy and maintenance savings that your school can expect when fitting new windows and doors.

Profile 22 takes the pressure off you with its network of Approved Window Contractors who operate nationally and regionally who have experience in education projects, meaning they can hit the ground running. Our network members hold the minimum standards such as constructionline/EXOR and quality accreditations you would expect such as Secured by Design and hold a valid certificate as proof of their 'Approved' status.

PROFILE 22 is an international PVC-U profile system supplied to local independent manufacturers and installers who contract to install windows, doors and conservatories.

PROFILE 22 SYSTEMS cannot be held accountable for manufacture or installation by independent companies. All information in this publication is provided for guidance only and is given in good faith. As it is company policy to continually improve products, methods and materials, changes of specification may be made from time to time without prior notice. This statement does not affect your statutory rights.
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GET IT RIGHT

WINDOWS, DOORS AND CURTAIN WALLING



Achieves
WER A++
on commercial buildings

Refurbishment or new build - whatever the specification, budget, project size & demands. When you're up against it, the last thing you need is to waste your day sourcing specialist window contractors. Take the pressure off & register your project on-line for access to the Approved Window Contractors network from Profile 22 that supplies the best manufacturers & installers in the business. Ultimate reliability & reassurance to deliver the right contractor every time, backed up by Profile 22's experienced specification team.

To find out more call **01952 290910** today.

www.profile22.co.uk/awc

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GET IT RIGHT

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THE BEST WINDOWS
ARE MADE BY



INTRODUCING THE COMMERCIAL INSPIRED **NEW** FLUSH TILT-TURN

FEATURES

- Sleek and elegant
- Five chambered system with Aeroframe technology
- Sash is neatly positioned inside the frame
- Avoids overlapping of the framework
- Design flexibility with maximum opening size up to 2200 x 1500
- Perfect for medium-high rise applications
- Glazing options: 28, 36 & 44mm
- Achieves WER A++
- U-value 0.8 W (m2.K)
- Available in 28 colour options

Achieves
WER A++
on commercial buildings

Especially designed to avoid the overlapping of the window framework, our elegant and sleek Tilt-Turn Window is simply perfection. It offers exceptional thermal performance and all the benefits of PVC-U, making it the perfect partner for your next project.

To find out more call **01952 290910** today.

www.profile22.co.uk/awc

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SPECIFICATION GUIDE

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Casement Windows

These 60-70mm depth, integrated open-out windows are available in a variety of single or multi-light styles, using top hung vents, side hung casements and fixed lights, either internally or externally glazed, in white, woodgrain on white or woodgrain finish, fabricated to BS 7412. Round head, circular or lancet windows may be supplied depending on size, style and application.



The profile range consists of:

- Optima C:** Fully Chamfered 60mm frames and sashes.
- F170:** Fully Integrated 70mm frames incorporating 60mm sashes.
- Optima S:** Fully Sculptured 70mm frames and sashes.
- RECO22:** 100% recycled 70mm profile system.

Profile

Acrylic modified high quality impact resistant white PVC-U extrusion, producing a rigid multi-chambered profile to BS EN 12608 manufactured to BS EN ISO 9001.

Reinforcement

Specific members are reinforced with galvanised mild steel or RCM sections to BS 7412 sealed within the profile central cavity.

Glazing

Glazing can be supplied as either double-glazed (24mm & 28mm) or triple-glazed (36mm) finished glass units depending on thermal or acoustic requirements.

Performance

Double Bubblex weatherseals ensure the performance meets the requirements of BS 6375 Part 1, as shown below. Actual performance will depend on size and style.

Test	Exposure Category				
	800Pa.	1200Pa.	1600Pa.	2000Pa.	2000+Pa.
AIR PERMEABILITY	300Pa.	300Pa.	300Pa.	300Pa.	300Pa.
WEATHER TIGHTNESS	100Pa.	100Pa.	200Pa.	200Pa.	300Pa.
WIND RESISTANCE	800Pa.	1200Pa.	1600Pa.	2000Pa.	2000+Pa.



Safeware Hardware

Vents and casements are hinged using stainless steel friction hinges, or the option of butt hinges with security pin. Locking or non-locking handles are available in a variety of finishes.

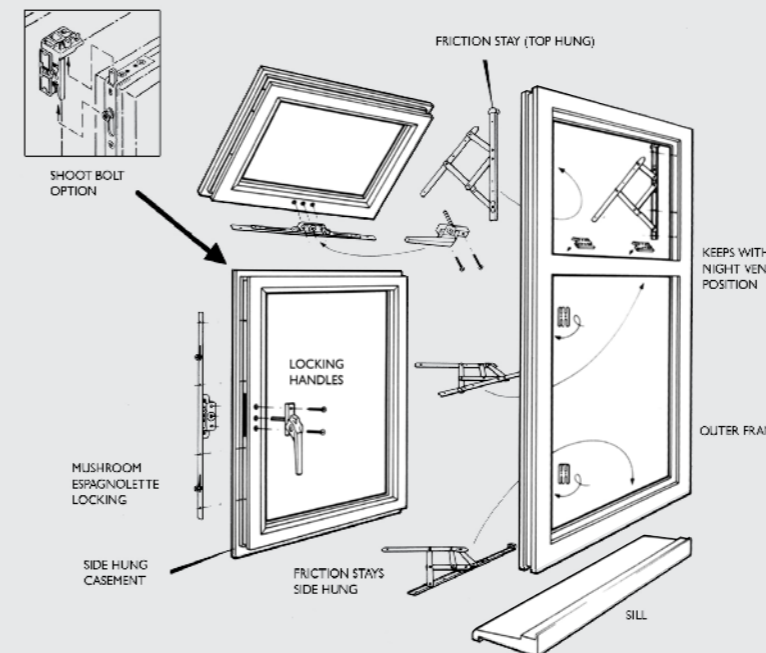
All hardware meets the requirements of BS 7412. When fitted with high security hardware, windows meet the requirements of PAS24.

Locking

The windows are fitted with mushroom-headed espagnolettes or shootbolts for added security, both options with night vent facility.

Ventilation

In addition to the night vent, controllable or permanent ventilators are offered as an optional extra, fitted within the head profile of the window.



Run Up Block



Security Clip (External glazing only)



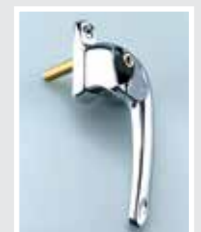
Dedicated Keeps



Hinge Protector



Shootbolt Extension



Chrome Handle



Defender Hinge



Rail Espags

TECHNICAL GUIDE

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THE BEST WINDOWS ARE MADE BY **PROFILE22[®]**



Fully Sculptured Open-in Tilt-Turn Window






Internal glazing - Slimline Sash - Deep Bottom Rail

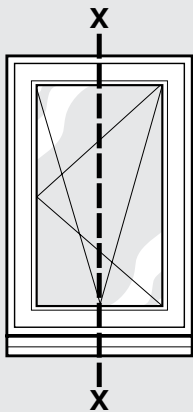
CATEGORY: **PRODUCT**

DESCRIPTION: **ASSEMBLIES**

STYLE: **VERTICAL SLIDER WINDOW**

OptimaTM
SCULPTURED SYSTEM

-  Tilt - Turn Open In Window
-  Fully Sculptured
-  36mm Triple Glazing
-  Internally Glazed
Sculptured Feature Bead
-  Bubblemex Seals



Viewed from Outside
Point to hinge

*¹ Note: All reinforcement shown are for diagraphical purposes only.

