

## Children's Toilet Cubicles

### Department of Education Compliant

Discover Excelsiors wide range of Children's Toilet cubicles. Designed to suit every application from nursery schools right through to universities.

Every system is designed with hygiene, modesty and security in mind. All offered at an affordable price; supplied and delivered within three weeks from receipt of order and approval of drawings.

Fully compliant with The Department for Education Guidelines (see details breakdown below).

Installation available by CRB checked fitters, trained, and equipped with trade specific CSCS cards.

All systems are made to measure and available in a wide selection vibrant of finishes.



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## washrooms for all environments Cubicles for Primary Schools & Nurseries

Specifically designed with children in mind, the low-level profiled curves to the doors and partitions enable adult supervision whilst full height pilasters provide a robust structure and safe access for adults.

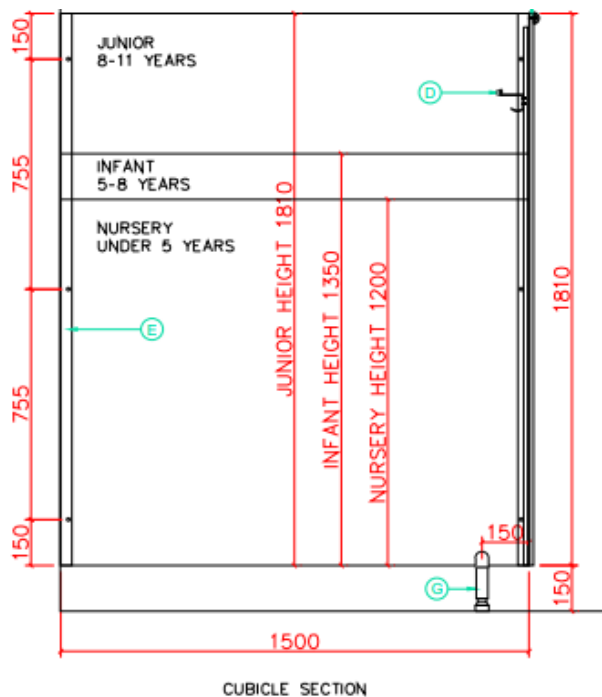


Variable Heights dependant on age group

Harlequin Mariner SGL - 1960mm overall height c/w a 150mm leg and SAA P headrail.

Harlequin Select HPL - 1960mm overall height c/w a 150mm leg and SAA P headrail.

Harlequin Peardrop SGL – 1350mm overall height c/w 150mm floor clearance set on a floor mounted support post.



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## Cubicles for Secondary Schools

We offer multiple Standard height and full height systems suitable for the Education Sector.

It is imperative to get the core material right for the intended environment & Solid Grade Laminate is recommended for areas of high use. This material is highly durable, resistant to impact and impenetrable to water ingress therefor suitable for shower cubicles as well and WC.

Unitising this material on all panelling surfaces, used for WC's, Urinals, Vanities and so on will prevent any water / moisture ingress and prevent the build-up of bacteria and odours.

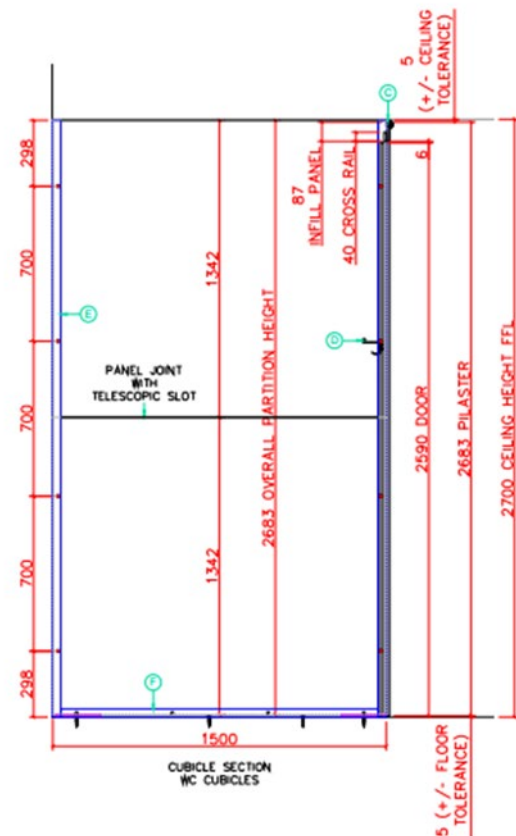
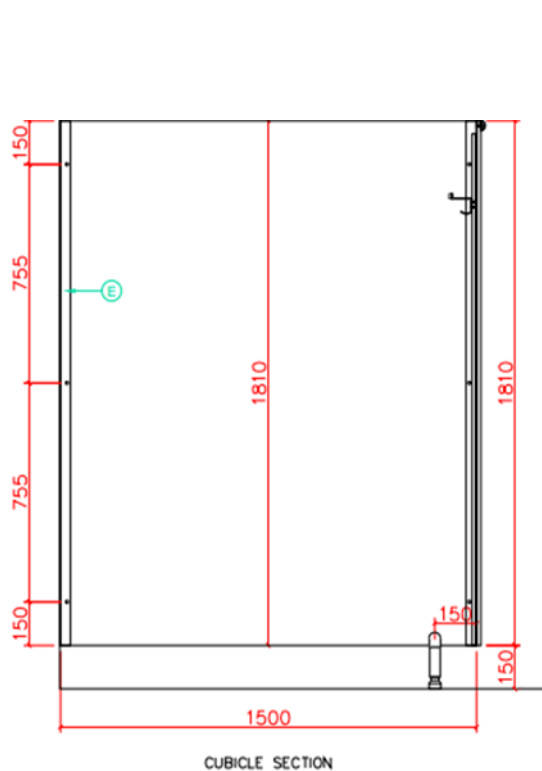


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1960mm High Cubicle System 150mm Leg

### Full Height Cubicle System fitted into U Channel



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## What you can expect from Excelsiors products

Custom-made ironmongery offered as standard across the education sector ensuring the highest quality and durability suited to the high traffic environment.

In line with the most recent Department for Education regulations, all of Excelsior indicator plates have been modified and now come complete with 'Occupied' & 'Vacant' wording in the vision window.

A team fully focused on ensuring the products meet industry standards and regulations.

Experienced staff on hand to guide you through the selection process and manage your project through to completion. Trading since 1978 Excelsior has a wealth of experience in the washroom industry with many repeat customers who value the product and service offered to meet customers' demands.

## Aluminium Ironmongery

1

Indicator Faceplate



2

Indicator Slide Bolt



3

Aluminium Leg



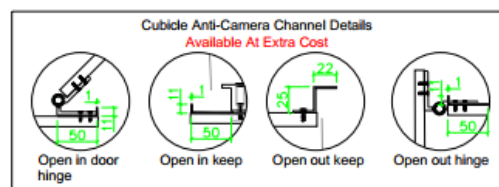
4

Aluminium Hinge



Bolt through fixing supplied in all hinge packs and highly recommended

Anti-peep channel is offered as an extra item to eliminate any opportunity for camera access. This issue is not yet identified in the guidelines by the DfE however it is proving increasingly to be a must in the Education sector.



Bolt through fixings are supplied with all hinge packs and we strongly recommend the use of these on the cubicle system fronts (please note these are not fitted as standard).



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Consideration when choosing a washroom system



## **Solid Grade Laminate (SGL) Vs. High Pressure Laminate (HPL)**

The main consideration when choosing a washroom system is deciding which material to specify in the design. From WC Cubicles to Duct Panel Assemblies and Vanity Units, it is important to select high quality and durable products which suit both your design and budget but also perform effectively in the environment being constructed. Laminates are available in a variety of colours and designs, with SGL and HPL both having their own benefits.

### **High Pressure Laminate (HPL)**

HPL is one of the most durable, decorative surface materials available on the washroom market and boasts enhanced performance properties. HPL is produced by sandwiching layers of paper and phenolic resins and fusing them together under intense heat and pressure. The thermosetting process transforms the resins into plastic and converts the paper sheets into a single, rigid laminated sheet with one decorative side. The resulting laminate is strong, durable and water resistant.



HPL offers superior resistance against impact, abrasion and general surface wear. As its surface is impervious to water, it is ideal for use in a range of applications and particularly so, in washroom environments. HPL is extremely popular and will withstand medium to intense use when bonded onto a substrate such as MDF or Chipboard, making it the perfect specification for areas such as office and restaurant washrooms. However, HPL is not suitable for areas which are constantly wet, such as Leisure centres, swimming pools and wet side changing areas. These environments will require a more durable and robust material.

### **Solid Grade Laminate (SGL)**

SGL offers matching surface advantages to HPL but is a denser, self-supporting panel that offers enhanced performance for high traffic environments. Constructed from multiple layers of high-quality paper, impregnated with thermosetting phenolic resins, the layers undergo the same heating and high-pressure compression as HPL. In the case of SGL, the layers form a single, high strength, tough and totally waterproof panel. The resulting panel has a characteristic black core with two decorative sides. It is a high-performance material that offers distinct advantages and is ideally suited to applications where technical performance is paramount.

SGL is designed for use in harshest washroom environments, such as schools, prisons and public toilet areas. Also being particularly suited to high humidity environments it is an ideal choice for Leisure and shower environments. SGL is extremely durable and impervious to water penetration.

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## Example of completed project



### The Project – Perton First School

Perton First School has been open for over 40 years and the infant washroom facilities are in need of modernisation.

The school prides itself its family ethos and has seen generations of families come the doors.

### The Challenge

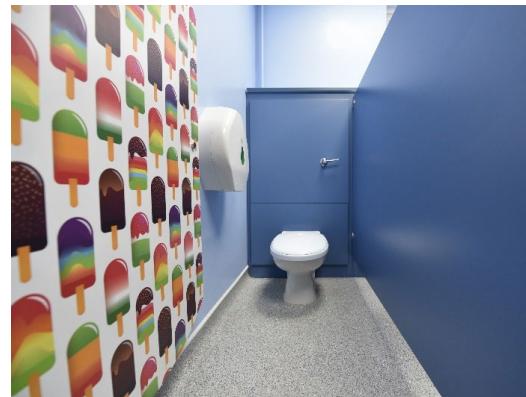
Propose a system with children of nursery age in mind.

Consider the height of the doors & partitions.

Peardrop range is not supported by an overhead rail and the frontage is fixed at the floor and gable walls only.

Flooring substate needs to be at lease 60mm thick and stable to ensure a secure fixing point at the base of the foot.

Deliver a non-standard laminate to enhance the systems aesthetics.



### The Solution

Excelsior, working alongside G Evans and Entrust, are excited to have installed our Harlequin Select Range at Perton First School. The school chose our Peardrop Rangewith low level accessible doors and magnetic locks, perfect for the classroom environment. The cubicles doors were finished in our vibrant Lolly Pop Digital Print & the area was surveyed to ensure suitable fixing points.

Harlequin Peardrop is the ideal system for children of nursery age, the system is self-supporting on an aluminium leg; the legs ability to perform is reliant of the strength of the floor substrate which in this case proved suitable, enabling the client to proceed with this infant friendly system.

The full system is professionally manufactured with children in mind providing easily accessible doors for children whilst ensuring efficient dimensions for adults to supervise.

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## Example of completed project



### The Project – Joseph Leckie Academy

Joseph Leckie Academy £3.5 million modern new wing received Walsall Council's planning committee approval in April 2015, and it has been full steam ahead since then.

Speller Metcalfe awarded contractor and commenced building the state of the art 21 classroom block in May 2015.

### The Challenge

The Architects vision was to create a minimalist washroom décor with flush frontage cubicles and high specification wash stations.

The overall finish to be non-fussy and unobtrusive.

Cubicles sited below a bulkhead were required to appear to float and all legs and fixing to be hidden.

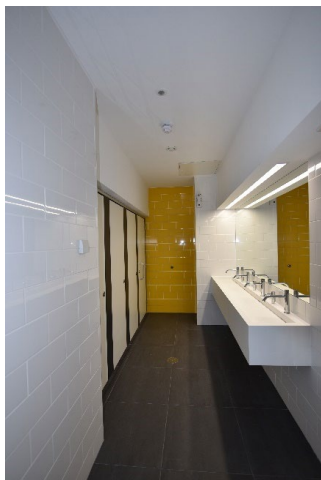
Standard vanity frontages and sinks did not meet the brief, a bespoke wash station was required.



### The Solution

Excelsior Planar 12mm Solid Grade Laminate has proven an excellent choice for the building, the flush frontage provides a seamless finish, and the durability of solid grade laminate panels is perfect for a heavy use environment such as a school. Finished with a 'P' section headrail for maximum stability, eradicating any lateral movement provided the rigidity the system needs.

The overall aesthetics of the installation is extremely pleasing, the cubicles overall height @ 2100mm on a 50mm leg is a standard height system however having a bulkhead in place has increased the sense of privacy and delivered the opulence of a floor to ceiling enclosure. The 50mm leg is set back inside the cubicle, fixed onto the partition which enhances the seamless finish from the exterior and infers the system is floating.





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## Example of complete project



## The Project – Coventry University

A new Science and Health Building consolidates the University's existing science laboratory and health simulation facilities into a new modern multidisciplinary building that will include new healthcare simulation, research and 'super-lab' environments.

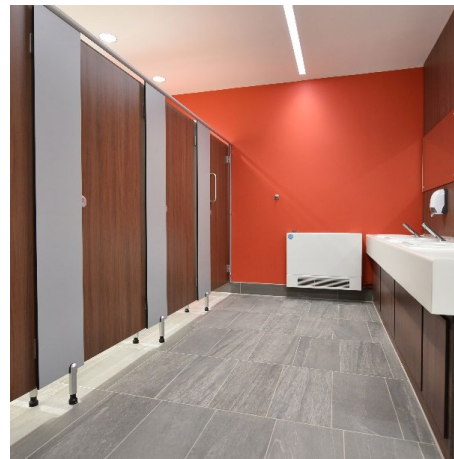
The building offers the latest facilities for teaching and research, to enhance opportunities for continuing education and professional development and to attract the best students and staff to Coventry University.

## The Challenge

Ensure the products offered are in keeping with the universities 'Modern University of the Year' status.

Manufacture, deliver and install premium quality system befitting the development and the client's requirements.

Include within the package benches and lockers.



## The Solution

Mariner Range was used through the building; Solid Grade Laminate is highly durable and always recommended within the Education Sector.

The finishes and layout design particularly enhance the aesthetics of these washrooms

BAM Construction delivered the £59 million building, which is transforming training opportunities for nurses, paramedics, midwives, and other health professionals. The building was officially opened by Duke and Duchess of Cambridge in January 2018.

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## Example of completed project



### The Project – Jubilee Wood School

A new Primary School built as part of the school's framework agreement with Milton Keynes.

Two storey portal frame build.

Jestico & Whiles Architects

### The Challenge

Produce a system suitable for use in an open space.

Open plan arrangement of Cubicles and Solid Surface Vanities located directly off the corridor.

Ensure safety of the user and create an anti-bulling, completely visible space.

### The Solution

Excelsior Skyline Cubicle Range, a full height system with overhead panel.

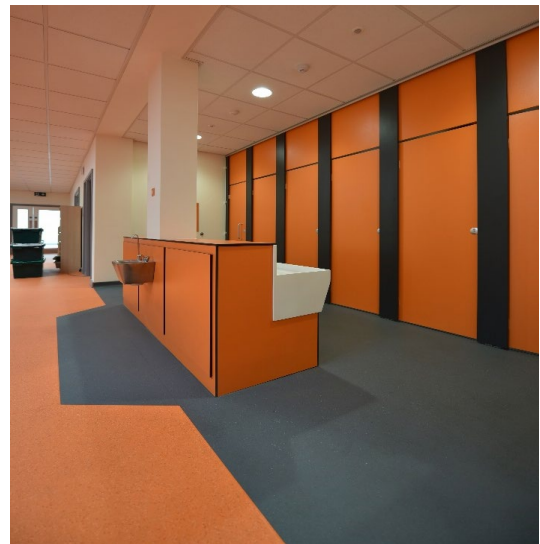
This extremely popular range is an ideal choice for school environments meeting the demands of modern education and providing complete privacy and comfort to the user.

Full height cubicle systems have increased in popularity over the past few years. Skyline Range enables Schools, Colleges and the like to ensure both safety and anti-bulling objectives are met and Excelsior's rise and fall hinge paired with the bespoke door design enables lift off access in the event of an emergency.

Skyline range is an extremely durable system and comes as standard with a 'P' section headrail, 'U' channel base rail and over-panel providing maximum stability.

Optional bolt through fixings are available and recommended.

The successful open plan arrangement of cubicles and solid surface vanities in Orange and Pomme Verte is in keeping with the modern vibrant atmosphere of the school.



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## Example of completed project



### The Project – Dudley College

£12m investment into a new facility at Dudley College will enable the college to specialise in training people working in construction using brand new/state of the art apprentice standards.

On completion of the project, the college have pledged approx. half a million pounds sponsorship into Dudley Academies Trust which will benefit a number of local schools and enable the sharing of resources and expertise.

### The Challenge

Deliver a package that will inspire the students and present a true representation of the quality and standards expected in the construction industry.

Install a full height, flush frontage cubicles system in a warehouse style space with ceiling heights exceeding four meters.

Use local trades and services to the Black Country.

Offer non-standard products to class-room areas.

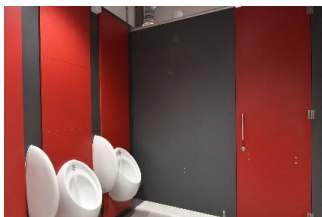


### The Solution

Excelsior Flush 30 Full Height Cubicles installed on 150mm leg with upgraded stainless steel fittings.

Complementary Duct panelling installed to house cisterns and associated plumbing work.

Manufacture and install Solid Grade Laminate workstations in the classrooms.





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## Example of completed project



### The Project – Aston University

Aston University Student Union at the heart of the University's campus has seen a £6.5m investment.

The new, two-story building, home to over 100 student clubs and societies, acts as the social hub for the 13000+ students at the university & replaces the old 1960's Building.

The Universities brief was to incorporate the local area into the project using images of Birmingham City Skyline. The Challenge

Offer a full height cubicle system, suitable for the environment and to a specification befitting the digital imagery.

Digitally render images onto Laminate and apply to the façade of the full height system.

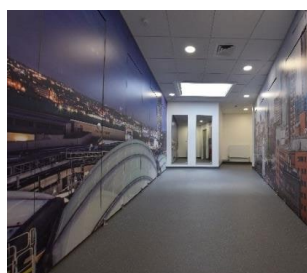
Manage the precise fabrication process through the factory.



### The Solution

Excelsior's Flush 30 Cubicle System encompasses a rebated aluminium frame to the doors and pilasters. The aluminium edge detail provides a robust trim and looks innovative within this modern building, an unrivalled system within the washroom market.

The images, supplied by the client were digitally rendered onto laminate by Formica Younique and applied to the façade of a full height Flush system. Max McLoughlin, CEO of the Student Union comments: 'We want the building to make students feel proud to be at Aston University. From a design perspective, we wanted the students to feel fully immersed in life on campus & we are very happy with the result'.





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**Department for Education School Output Specification**

**Technical Annex 2A: Sanitaryware - Nov 2021**

**Integrated Plumbing Systems (IPS) and Cubicle Systems**

[DfE Nov 2021 Link](#)

The design and construction of any integrated plumbing systems shall comply with the following requirements:

The surface shall be one that can be wiped clean.

The material shall be waterproof solid laminate; moisture resistant laminate on manufactured board with an Acrylonitrile Butadiene Styrene (ABS) or similar edging; recycled plastic, or a material which can be demonstrated to perform equally well.



The joint between the system and coved skirting or flooring material shall be straight, level and the materials fully bonded to their substrates at their junction, sealed against water ingress and dirt. Sealants shall be waterproof and mould resistant.

Access panels shall be lockable with a master key and have tamper-proof fittings.

A wall hanging fixing frame shall be provided as part of the IPS system, where recommended by the manufacturer in compliance with BS EN 997:2018 'WC Pans and WC Suites with Integral Trap'.

IPS is not permitted for use in showers.

### Toilet and Shower Cubicle Systems

The design and construction of all toilet cubicle systems and shower cubicle systems provided shall comply with the following requirements:

Standard toilet cubicles shall be at least 1500mm deep x 800mm wide. Standard shower cubicles shall be 1800mm deep x 900mm wide.



Panels shall be pre-drilled to accommodate the required fittings; redundant drill holes for fittings within panels shall not be acceptable. Fittings shall be anti-rust and vandal proof. Systems shall facilitate cleaning to prevent the build-up of dirt and germs.

Cubicle doors shall be lockable and opened manually from the inside.

Inward opening doors shall be able to open outwards through use of an emergency releasable door hinge or a lift-off facility to facilitate emergency assistance to someone who has fallen against the door inside the cubicle (blocking the door from opening).

An emergency release function shall limit operation to School staff only, thereby not compromising the privacy of the user under general circumstances.

Cubicle doors shall be fitted with occupation indicator signs, using the word 'occupied', and shall be clearly visible from the outside of the cubicle door. A red/green indicator is unsuitable.

Cubicle locking devices shall be suitable for use by people with impaired manual dexterity (i.e., a simple closed fist action).

Cubicle locks shall be designed so that it is the weakest element in the door assembly. The lock shall break on application of force rather than damaging the cubicle system.

The school shall be provided with spare locks to help reduce the time that cubicles are out of action.

The inside of each cubicle door shall have a coat hook with a rubber buffer, designed to serve as a doorstep to the cubicle door.

The coat hook shall be securely fixed with hidden fixings to avoid damage.

All hinges shall be designed to eliminate the potential for finger trapping and shall be self-closing.

All hinges for toilets in nursery, reception and KS1 pupil provision shall be designed to eliminate the potential for finger trapping and shall be self-opening.

Cubicle doors shall be of a contrasting colour to pilasters to allow for use by partially sighted pupils in accordance with AD M.

In addition to the requirements above, the design and construction of all toilet cubicle systems shall meet the following requirements:

Ambulant and enlarged cubicle provision shall comply with AD M and adopt the relevant guidance in BS 8300-2:2018 - 'Design of an accessible and inclusive built environment. Buildings. Code of practice'.

Partitions and doors in toilets for nursery, reception and KS1 pupils shall give children privacy whilst allowing teachers to supervise them. Cubicle partitions shall have a maximum height of 1500mm. Cubicle doors shall have a maximum height of 1300mm.

Cubicle partitions in toilets for KS2 pupils shall extend to a maximum height of 1950mm from finished floor level. Cubicle doors shall have a minimum height of 1500mm. In a Secondary School, a floor to ceiling cubicle system shall be used for increased pupil privacy unless specifically stated otherwise within the SSB; with a maximum gap of 5mm between the finished floor level and the bottom of the door and between the top of the door and the ceiling.

Where the SSB states a specific requirement to not have a full height partitioning system, the partitions shall be a maximum height of 1950mm from finished floor level and cubicle doors a minimum height of 1800mm; partitions and doors shall be spaced a maximum of 150mm off the floor finish level.



Lighting and ventilation shall meet the requirements in Technical Annex 2E and Technical Annex 2F. Pupils with hearing difficulties shall be alerted to the schools' alarm system whilst using the cubicles, as required by AD M.

It shall not be possible to see from the adjacent circulation route into a cubicle when the door is open (for example doors should be perpendicular to the main flow of circulation).

Shower cubicle systems shall be constructed from waterproof solid laminate

Toilet cubicle systems shall be constructed from waterproof solid laminate, moisture resistant laminate on manufactured board with an ABS (or similar) edging, recycled plastic, or a material which can be demonstrated to perform equally well.

## School toilets: Guidance and regulations

### Nursery - Foundation Stage (5 years old and under)

Sanitary appliance	Number of sanitary appliances
WC	<b>1 per 10</b> pupils or part thereof, not less than 4
Washbasin	1 per WC



### Primary - Key Stage 1 & 2 (age 5 – 11 years)

Sanitary appliance	Number of sanitary appliances
WC	<b>1 per 20</b> pupils or part thereof
Washbasin	1 per WC



### Secondary - Key Stage 3 & above (age 11+ years)

Sanitary appliance	Number of sanitary appliances
Boys' WC	<b>1 per 20</b> pupils or part thereof
Girls' WC	<b>1 per 20</b> pupils or part thereof
Washbasin	1 per WC where there are up to 3 appliances; 2 per 3 WC where there are more than 3 appliances
Showers & Changing Facilities	Must be provided when pupils are over 11 years old and receive Physical Education



Handwash amenities must be located within close proximity to every toilet, while it's imperative that washrooms are sufficiently well lit and properly ventilated.

Toilet blocks have to be easy to access for students and allow for passive supervision by staff, without infringing on privacy.

Quoting the SPR 2012 (Regulation 4.2), the guidance states: "Separate toilet facilities for boys and girls aged eight years or over must be provided except where the toilet facility is provided in a room that can be secured from the inside and that is intended for use by one pupil at a time."

For secondary school children, appropriate changing rooms and showers must be available for PE lessons.

Staff facilities should be separate from those used by students, although disabled toilets are allowed to be accessed by both students, staff, visitors and volunteers.

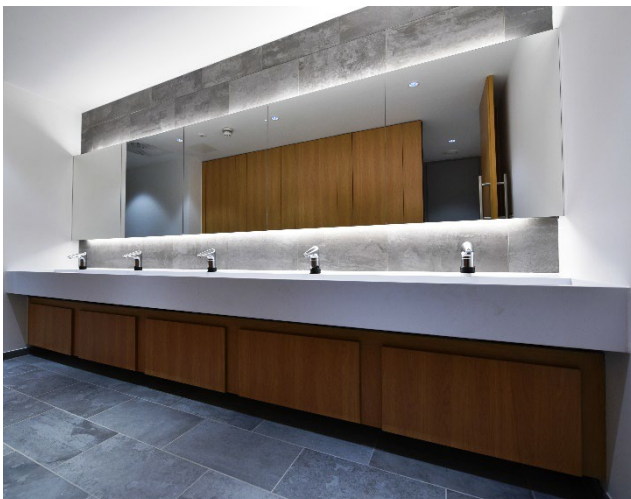


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Full Range of Accessories including benches, Lockers, Solid Surface and Stainless-Steel Troughs

Please see our website for full details or call a member of our team on 01477 247770



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**At Excelsior, we have undertaken the manufacture, supply and installation of bespoke washroom products in all washroom environments since 1978.**

We have an extensive selection of WC and changing cubicles, duct panelling and vanity unit systems to suit all environments; from schools to office developments and leisure centres to hospitals we have a solution to your requirements.

All levels of durability are catered for to meet our client's specification requirements and commercial constraints, always combining innovation with practicality. With a combined factory, office and showroom space of some 30,000 sq. ft, and the latest in production machinery we are continually striving to meet and exceed all of our client's expectations.

Dedicated and professional teams of Sales Estimators, CAD Draughtsmen and Contracts Staff are readily available to provide technical assistance and guidance through our product ranges relative to individual project needs.

Furthermore, we offer an installation service where we survey and manage the on-site process. Our experienced site fitting teams are fully trained and equipped with trade specific CSCS cards to ensure that our products are installed to the quality standards to meet our client's expectations.

[Excelsior Product Catalogue](#)

[NBS Source](#)

[excelsior-cubicles.co.uk](http://excelsior-cubicles.co.uk)



GDB\_Annex\_2A-Sanitaryware-A-C11.pdf



NBS

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