

general



*Armitage
Shanks*

*Ideal
Standard*

introduction

introduction

The UK's leading brands are brought together for the first time to create the definitive one-stop shop for specifiers of all types.

- Armitage Shanks
- Ideal-Standard
- Armitage Venesta
- Trevi Showers
- UK's leading brands

When American Standard acquired Armitage Shanks and Armitage Venesta it created, with its existing brands, the UK's largest bathroom and shower group.

The result is that specifiers, contractors and installers have the widest range of products in the UK, backed by the reassurance of working with European and worldwide leading manufacturers.

Product codes

Combining the existing Armitage Shanks and Ideal-Standard product ranges has meant that new codes have had to be applied to many products. Where necessary the earlier code is indicated in brackets after the new code. This will enable specifiers who are familiar with the earlier codes to use the new codes.

The BlueBook index section contains indices for both earlier codes (Armitage Shanks products) and new codes for the complete range of Ideal-Standard and Armitage Shanks products.

Armitage Shanks

Armitage Shanks is renowned for its well designed, reliable sanitaryware and is the

largest manufacturer of bathroom equipment in the UK.

In addition to its comprehensive range of ceramic products, Armitage Shanks also manufactures acrylic baths, taps, showers, and a wide range of equipment for specialised applications.

Armitage Shanks's specialist products often provide unique solutions for installations in hotels, hospitals, schools and prisons as well as low cost and luxury housing.

Armitage Shanks's innovative water efficient and waterless designs mean that specifiers have a range of options for the most demanding products.

Ideal-Standard

Ideal-Standard is acknowledged as being among the leaders in bathroom design and innovation. This has been proven on many occasions with Ideal-Standard products often winning major design awards.

Ideal-Standard's commitment to combining creative design with the latest manufacturing technology has resulted in inspired brassware collections. These collections include

contemporary sculptural forms as well as Victorian, Edwardian and Art Deco designs that will suit all bathroom concepts.

Ideal-Standard's award-winning space efficient products combine practicality with intelligent design to provide solutions for modern high density housing, without sacrificing either quality or luxury.

Trevi Showers

Trevi shower valves have always been recognised and valued for their high quality of design and reliability. With the addition of enclosures and trays from the Armitage Shanks range, the portfolio of Trevi's showering products is second to none.

Armitage Venesta

The group's washroom division, Armitage Venesta, makes cubicles, vanity units and fully pre-plumbed systems. Armitage Venesta was formed by the merger of Armitage Shanks Integrated Systems and Venesta Cubicles, companies with over 65 years experience of supplying washroom systems.

In the forefront of designing and supplying Integrated Plumbing Systems, Armitage Venesta has developed

IPS *Evolve*, a metal framed washroom system that is fast to deliver and fast to install.

Armitage Venesta provides a complete design and specification service for commercial and hospital projects.

American Standard

American Standard is the world's largest producer of bathroom and kitchen fixtures and fittings as well as one of the world's largest producers of air conditioning and heating systems.

American Standard was formed following the merger of the American Radiator Company and the Standard Sanitary Manufacturing Company. Standard Sanitary pioneered many plumbing product improvements in the early part of the 20th century including mixer taps and one-piece WCs.

American Standard and its 35 joint ventures operate 106 manufacturing facilities in 35 countries, employing 44,000 people. Sales from the company's three business segments total \$8 billion.

Addresses

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Trevi Showers,
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introduction materials

Armitage Shanks and Ideal-Standard are committed to a continual programme of product assessment and appraisal to improve material quality and to reduce environmental impact.

- Vitreous china
- Cast and formed acrylic
- Enamelled steel
- Stainless steel
- Fireclay

Vitreous China

Vitreous china conforms to BS 3402: 1969 (high grade ceramic ware used for sanitary appliances). It is made from a mixture of white burning clays and finely ground minerals which after firing at high temperature, and when unglazed, does not have a mean value of water absorption greater than 0.5% of the dry weight. This 99.5% vitreosity means that, even unglazed, it cannot be contaminated by bacteria and will remain hygienic. It is coated on all exposed surfaces with an impervious non-crazing vitreous glaze giving white or coloured finish.

Vitreous china is stainproof, burnproof, rotproof, rustless, non-fading and is resistant to acids and alkalis.

To produce vitreous china (and fireclay) a solution of slip is prepared. Slip is the term used in the trade to define casting clay. The ingredients for vitreous china casting slip are ball clay, china clay, sand, fluxing agent and water.

Fireclay

When very heavy duty ware is required, Armitage Shanks manufacture using fireclay. The clay body is of sufficient strength that it can be used to manufacture very large sanitaryware pieces as well as offering heavy duty WCs and basins. Fireclay is also used to make Belfast sinks which are very popular in domestic kitchens.

Fireclay is solid cast as opposed to hollow cast as is the case with vitreous china.

Idealcast™

Idealcast™ is a composite of resins and minerals, which is cast onto the reverse of a vacuum formed acrylic shell, producing a 'factory made' product with minimum wall thickness of 8mm.

Idealcast™ is very rigid, the most rigid of all synthetic bath materials. It is comparable with the solid feel most people associate with cast iron. Idealcast™ is also tough surpassing the British Standards requirements for baths and bettering all other 'cast' polymer baths.

Idealform™

Idealform™ products are manufactured from cellcast acrylic sheet. The sheet is vacuum formed to produce the desired shape and then fully reinforced. The advantages of acrylic sheet are that it has low thermal conductivity, it is lightweight and it has a high gloss surface which is easy to maintain.

Stainless steel

Armitage Shanks offers a full range of stainless steel clinical equipment and sanitaryware in conformance with Department of Health specification.

Enamelled steel

Sheet steel is pressed into the desired shape and then coated with layers of vitreous enamel which is fired at high temperature. The enamel and steel bond during firing to give the enamel a glass-like high gloss finish, which is very durable and practical.

Injection moulding

WC seats and some cisterns are manufactured from high impact plastic. They are made using the latest injection moulding techniques.

Brassware

Taps and mixing valves are manufactured from well proven metals and modern plastic materials. They are designed to conform with Water Regulations giving adequate flow rates from traditional UK unvented systems whilst being pressure rated to suit mains, combi and unvented supplies.

Non-metallic materials coming into contact with potable water are chosen for their resistance to support of microbial growth.

Fittings are coated in durable chrome plate, gold finishes or architectural polyester coatings.

introduction

manufacturing quality

Armitage Shanks and Ideal-Standard are committed to a continual programme of product and process assessment to raise standards of design, manufacture and delivery.

- Certification
- BS EN ISO 9002
- Site assessment

BS EN ISO 9002

Armitage Shanks and Ideal-Standard Limited have been assessed by Ceramic Industry Certification Scheme Limited and have been granted approval under the terms of the scheme for Supplier Quality Management Systems to BS EN ISO 9002.

Approval relates to manufacture and supply of vitreous china sanitaryware, accessories, baths, shower trays, enclosures, panels and the supply of steel baths, brassware and associated bathroom products.

Product specification

Ideal-Standard, Armitage Shanks, Idealcast, Trevi and many of the product names listed in the chart and catalogue are trade marks of American Standard Plumbing (UK) Limited.

Armitage Shanks and Ideal-Standard pursue a policy of continuing improvement in design and performance of their products. The right is, therefore, reserved to vary specification and colour ranges without notice.

Whenever possible it is Armitage Shanks and Ideal-Standard's policy to comply with the British Standards specifications for the manufacture of products. In some instances, however, 100% compliance may detract from the overall finish of the item and so products may be made to conform as far as reasonably possible within design limitations.

Testing

Data given within this manual and elsewhere for performance of brassware products can only be verified by recreating the same conditions as laid down during testing. Should a particular test be required to give performance details to suit an installation situation on site, we will be glad to advise and assist wherever possible for domestic, public and industrial installations.

Special ranges

The specialised ranges of marine sanitaryware and laboratory brassware are covered in separate catalogues and there are also separate catalogues detailing items selected for the PSA Method of Building listings and HM Prison Service product ranges.

Site assessment

Armitage Shanks and Ideal-Standard are progressively assessing all their sites in accordance with Quality Assurance Certification.

Vitreous china, fireclay, fittings, stainless steel and brassware manufacturing sites have been assessed and certified as having quality systems conforming with the rigorous requirements of BS EN ISO 9002.

The certification body, the British Standards Institution Quality Assurance Service, is accredited by the National Accreditation Council for Certification Bodies.

introduction

useful references

The following list of references provides architects, designers and specifiers with those regulations, standards and recommendations that currently apply to bathrooms, washrooms and showers.

Further information is available from Armitage Shanks and Ideal-Standard technical departments.

- Drainage
- Sanitary provision
- Water supply
- British Standards

Key to symbols

	Anti vandal
	Commercial
	Domestic
	Healthcare
	Conforms to DoH HTM64
	Appropriate for use with IPS Evolve
	Economy ↑ Luxury
	Space saving
	Special care
	Water saving

Drainage

- The Building Regulations 2001, Part H, Approved Documents H1 Drainage and Waste Disposal.
- The Building Standards (Scotland) Regulations 1981 – 1987.
- BS EN 12056: Part 2: 2000: Code of practice for sanitary pipework.

Sanitary provision

- Plumbing Engineering Services Design Guide Institute of Plumbing, 64 Station Road, Hornchurch, Essex, RM12 6NB tel 01708 472791
- The Building Regulations 1991, Part G Hygiene, Approved Documents G1 Sanitary Conveniences & Washing Facilities and G2 Bathrooms.
- Part M Access for Disabled People, Regulation M3 and Approved Document M3 Sanitary conveniences.
- The Building Standards (Scotland) Regulations 1981 - 1987.
- Offices, Shops and Railway Premises Act 1963.
- BS 6465: Sanitary Installations Part 1: 1994: Code of practice for scale of provision, selection and installation of sanitary appliances.
- Part 2: 1996: Code of practice for space requirements for sanitary appliances.
- BS 8300:2001: Code of practice for access for the disabled to buildings.
- Sanitary conveniences regulations 1964 S1 No. 966.
- Food hygiene (general) regulations 1970.
- Department of Health, Health Technical Memorandum - HTM64 and HTM68 selected designs.
- Washing facilities regulations 1964 S1 No. 965.
- Scottish Housing Handbook (Scottish Development Department), Part 5 Housing for the elderly
- Part 6 Housing for the disabled

Water supply

- The Building Regulations 1991, Part G Hygiene, Approved Document G3 Hot water storage.
- Water Regulations 1999 No 1148
- Water Regulations Advisory Scheme, Fern Close, Pen-Y-Fan Industrial Estate, Oakdale, Gwent, NP11 3EH.
- BS 6700: 1997: Specification for design, installation, testing and maintenance of services supplying water for domestic use within building and their curtilages.

Product standards

- BS 1010: Specification for draw-off taps and stop valves for water services (screw-down pattern).
- Part 2: 1973: Draw-off taps and above ground stop valves.
- BS 1188: 1974: Ceramic wash basins and pedestals.
- BS 1189: 1986: Cast iron baths for domestic purposes.
- BS 1212: Float operated valves;
- Part 3: 1990: Diaphragm type, plastic bodied;
- Part 4: 1991: Compact type.
- BS 1876: 1990: Automatic flushing cisterns for urinals.
- BS EN 274: 1993: Specification for wastes (excluding skeleton sink wastes) and bath overflows.
- BS 3402: 1969: Specification for quality of vitreous china sanitary appliances.
- BS 4305: Part 1 : 1989 Baths for domestic purposes made from cast acrylic sheet.
- BS 5412: 1996: Specification for the performance of draw-off taps with metal bodies for water services.
- BS 5505: Part 3: 1977 and EN 35: 2000: Vitreous china bidets, over rim supply only.

- BS 5506: Part 3: 1977, BS EN 31: 1999 and BS EN 32: 1999: Washbasins (one or three tap holes).
- BS 6340: Shower Units; Part 5: 1983: Acrylic; Part 8: 1985: Ceramic.
- BS EN 111: 1999: Hand rinse basins - connecting dimensions.
- BS EN 200: 1992: Sanitary tapware: Specification for single taps and mixer taps.
- BS EN 232: 1992: Baths: connecting dimensions.
- BS EN 251: 1992: Shower trays: connecting dimensions.
- BS EN ISO 3822: Laboratory tests on noise emission from appliances and equipment used in water supply installations.
- BS EN 817: 1998: Sanitary tapware: Mechanical mixers (PN 10).

Water usage

- Regulator's Specifications for the Performance of WC Suites, 1 January 2001.

introduction

website • cd-rom

The Ideal-Standard Armitage Shanks BlueBook is available in digital formats as well as a printed publication.

- www.thebluebook.co.uk
- Full product catalogue
- Product searches
- Specification module

The BlueBook is available in three media formats, each painstakingly designed and produced to be the most complete, most directly useful product information and specification source. Besides the printed BlueBook, there are:

- The Blue CD
- The BlueBook Website www.thebluebook.co.uk

Digital editions

These two digital editions exploit a unique potential for users to browse products, select according to the user's own multiple criteria, document project specification choices, and provide cost estimates. In short, they are a complete, professional, interactive specification system that is unique in its breadth, clarity and user understanding.

Both the CD and the website contain the complete information contained in the two volume printed BlueBook, specifically engineered to be fast to use and fast to download. All product, technical and other details have been transferred into a relational database from which the CD and the website dynamically draw information as requested by the user.

Always up to date

Because there are no 'static' fixed pages, product details are always as up to date as the underlying database. Within the website, the database is maintained on a daily basis by Armitage Shanks and Ideal-Standard staff, which means that users and specifiers always have the right information to hand to browse, select and specify. The CD-ROM's unusual capabilities in providing a dynamic browsing experience are especially advanced.

The on-screen navigation structure has been carefully designed to assist access to the comprehensive information held in the database. There are multiple methods to search (and find) according to need.

Exporting information

Line drawings are available for viewing for all products and may be exported in CAD file formats.

Photographic images can be viewed, enlarged and exported for use in users' own presentations and project literature.

Reports

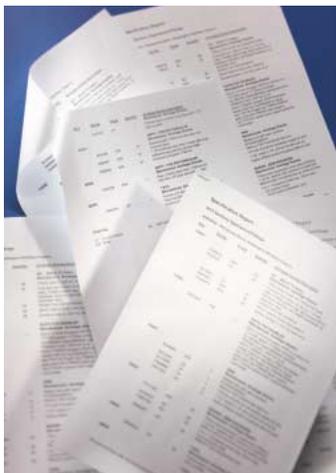
The BlueBook CD and website have extensive reporting facilities. These enable architects and specifiers to save time and improve accuracy when compiling specification clauses. Specifications can be produced in NBS approved format.

Your information

Specifier's project information is automatically held by the system, can be developed and updated, can produce NBS format specification documents, and can produce cost estimates in real time. Because details are stored, they can be retrieved at a later date for facilities management, maintenance and other post-completion documentation.

Training

For your copy of the BlueCD and further information, including details of training courses, please contact the number below.



introduction

nbs plus

During the last ten years the use of NBS has been growing within the construction industry as more and more offices and practices subscribe to the service, representing all sectors of the construction industry. Recently Armitage Shanks and Ideal-Standard have worked closely with NBS Services to provide architects with their extensive product range on this time saving system.

- Electronic specifying
- Simple cut & paste technique
- Updated four times a year
- Bespoke specifications

NBS clauses

NBS, the National Building Specification, is a library of specification clauses. Designed to help specifiers tackle the demanding task of specifying construction projects, it provides:

- A specification framework
- Guidance notes
- Up-to-date information
- Recognised and accepted format

During the last ten years the use of NBS clauses has been growing within the construction industry. Over 4000 offices and practices subscribe to the service, representing all sectors of the construction industry. Public subscribers include local authorities, government departments and housing associations. Private subscribers include architects, quantity surveyors, building surveyors, structural engineers, landscape architects, contractors and utilities.

NBS is an impartial subscription service where clauses are constructed to allow the specifier the choice of nominating products or determining by performance.

NBS Plus

NBS Plus is an electronic library of particular products, including those of Armitage Shanks and Ideal-Standard, that enables information to be inserted direct into NBS project specifications.

To use NBS Plus, specifiers must be subscribers to Specification Manager, Specification Writer or NBS Landscape.

In creating NBS Plus guidance, the technical literature submitted by Armitage Shanks and Ideal-Standard has been reviewed and tailored to facilitate accurate and easy completion of reference inserts in NBS clauses. Where appropriate, specifiers can consult Armitage Shanks and Ideal-Standard, who will produce bespoke specifications in NBS format for insertion directly into project specifications.



Armitage Shanks

Armitage Shanks
Tel: 01543 490253

To complete the clause select the appropriate wording from below. Highlighted text can be 'dragged and dropped' to save typing.

M40 STONE/CONCRETE/QUARRY/CERAMIC TILING/MOSAIC

110 TILING TO

Armitage Shanks accessories where semi-recessed or fully-recessed and fitted as part of the wall tiling should be specified in this clause. Surface fixed accessories should be specified in section N13.

Available in 5 colours including white. Consult Armitage Shanks technical literature for details. Armitage Shanks can also provide a design and specification service and it is recommended that they are consulted early in the design process.

Accessories:

Mayfair fully-recessed soap holder 2044100

Mayfair fully-recessed soap and sponge holder 2051100

Mayfair semi-recessed soap holder 2055100

Mayfair semi-recessed toilet roll holder 2053100

Colour: White WW / Champagne CH / Chablis CB / Almond Rose AR / Honey Moon HM

Manufacturer: Armitage Shanks, Armitage, Rugeley, Staffordshire WS15 4BT. Tel: 01543 490253.

Fax: 01543 491677. Web: www.thebluebook.co.uk

Ideal Standard

Ideal Standard
Tel: 01482 346461

To complete the clause select the appropriate wording from below. Highlighted text can be 'dragged and dropped' to save typing.

N13 SANITARY APPLIANCES/FITTINGS

110 WC PAN AND CISTERN:

All Ideal-Standard WCs are suitable for domestic bathrooms, hotel bathrooms and commercial use. Material is vitreous china to BS 3402.

Click on a wc type from the list below to jump to the product and specification details.

[Close-coupled WCs](#)

[Rack-to-wall WCs](#)

[Wall-mounted WCs](#)

[Low level cistern WCs](#)

[Export only WCs](#)

CLOSE-COUPLED WC SUITES

Click on the suite name to jump to the product and specification details.

[Accent / Alto / Barone / Birkdale / Cabria / Chloé / Duchess / Kyojoi / Meadow / Plaza / Princess / Ravenna / Reflections / Reva / Roseway / Sophie / Space / Space corner / Studio / Tulin](#)

Accent luxury washdown WC suite with matched seat.

Consult Ideal Standard technical literature for details. Ideal Standard can also offer a design and specification service and it is recommended that they are consulted early in the design process.

introduction

representatives

Armitage Shanks and Ideal-Standard Commercial Specification Managers provide help and advice to ensure architects, designers and specifiers have a detailed specification for the appropriate products.

The Business Support Team will help co-ordinate the sanitaryware on your project.

The Product Information Team is there to provide detailed product information and installation advice.

- *Scotland*
- *North East*
- *North West*
- *Birmingham/Sheffield*

Scotland



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Specification Sales
Manager
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Business Support
Tel: 01543 413302

North West



Kevin Burton
Specification Sales,
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Birmingham / Sheffield



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introduction

representatives

Armitage Shanks and Ideal-Standard Commercial Specification Managers provide help and advice to ensure architects, designers and specifiers have a detailed specification for the appropriate products.

The Business Support Team will help co-ordinate the sanitaryware on your project.

The Product Information Team is there to provide detailed product information and installation advice.

- London
- South Coast
- East Anglia
- South West

Western Region



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