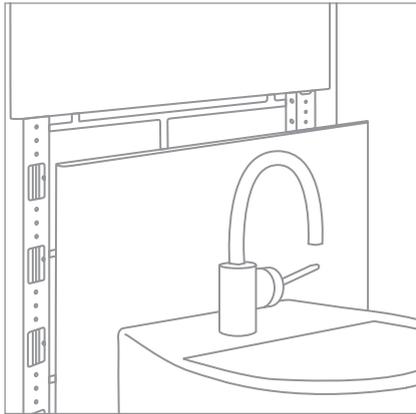
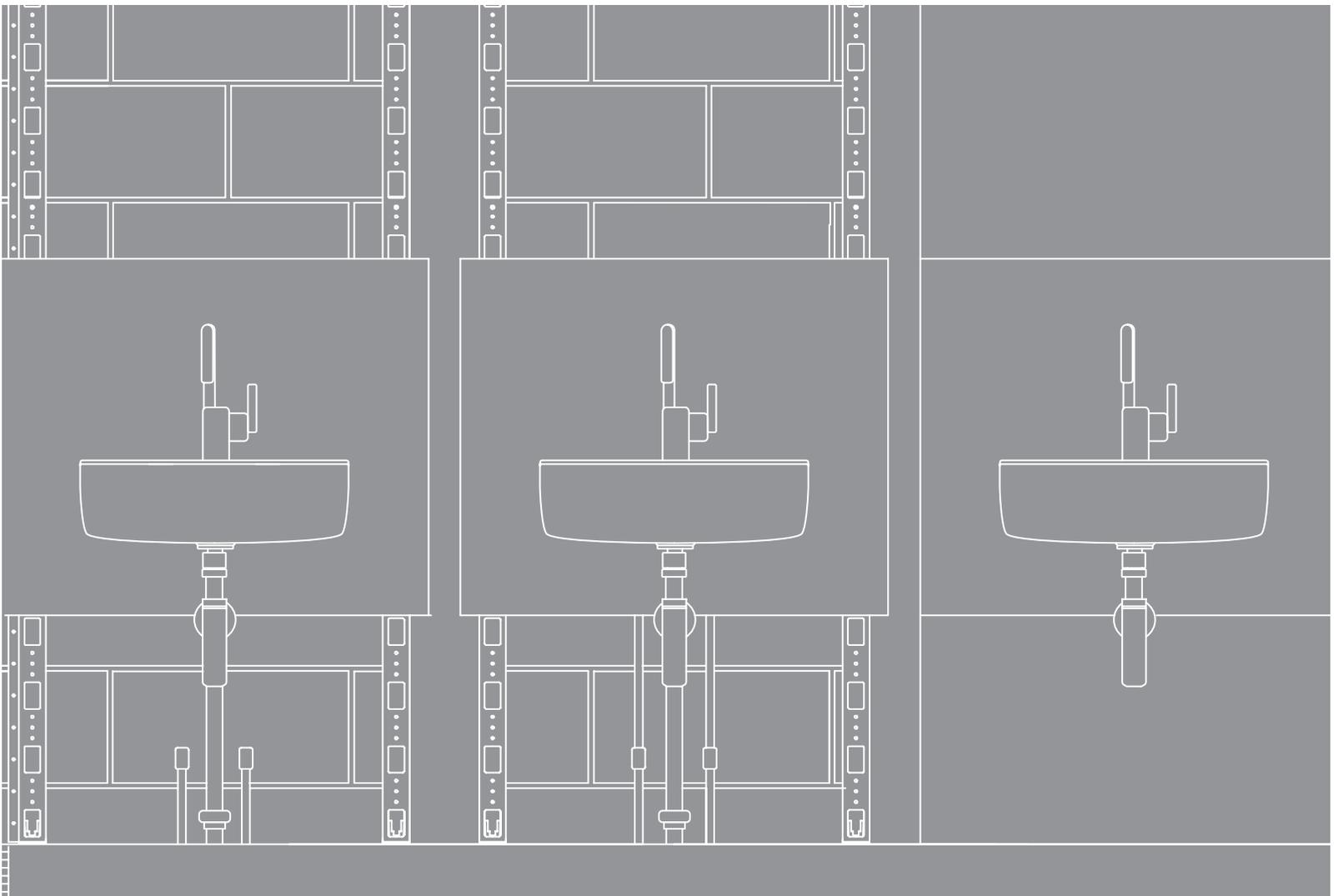


armitage venesta
Washroom Systems



IPS *Evolve*®

Technical guide for
architects, specifiers,
designers and contractors





When you specify Armitage Venesta you are investing in a name you can trust to deliver quality, choice, value for money and industry-leading service. We have over 75 years experience in supplying washroom systems for every type of commercial use. Our products have stood the test of time not only in prestigious office and hotel developments but also in the most vandal prone environments. Whatever the location we can provide you with a solution that is truly fit for purpose and with faster delivery lead times than ever before.

Our dedicated team of designers are committed to developing new products that will inspire and provide customers with optimum choice whilst meeting performance demands.

Armitage Venesta's reputation as the UK's leading washroom systems expert is supported by our service team, who are available to provide specification advice and technical help at every stage, including estimating, CAD layout drawings and after-sales support.

IPS *Evolve*

Contact our professional support team for full specification services, estimating, CAD layouts and after sales support.

Armitage Venesta Washroom Systems

Pre order

Chartwell Court, West Mill, Imperial Business Park,
Gravesend, Kent, DA11 0DL
Phone 01474 353333 – Fax 01474 533558

Post order

Alderflat Drive, Newstead Industrial Estate,
Trentham, Stoke-on-Trent, ST4 8HX
Phone 01782 277200 – Fax 01782 657386
tech@armitage-venesta.co.uk
www.armitage-venesta.co.uk

Ireland

M50 Business Park, Ballymount, Dublin 12
Phone 1 800 931 880 – Fax 1 800 931 881
tech@armitage-venesta.com
www.armitage-venesta.com

IPS *Evolve*

IPS *Evolve* builds on the success of Armitage Venesta's original IPS system by using strong, accurate metal framework. Units are supplied pre-plumbed with factory fitted sanitary ware so that elements simply click fix into place, resulting in quicker installation and reducing the need for on site specialist skills. The IPS *Evolve* full colour brochure is available on request.

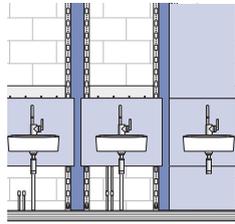
Armitage Venesta's commitment to the specifier means that NBS clauses are provided for each product. These enable accurate and easy specification of IPS *Evolve* assemblies. Armitage Venesta NBS clauses are also available in electronic format as NBS Plus.

This guide is for general washroom requirements.

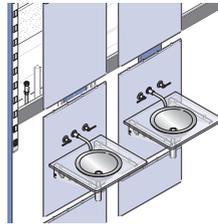
We have also produced an IPS *Healthcare* technical guide.

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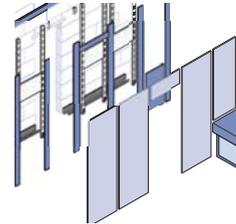
Sequence of installation
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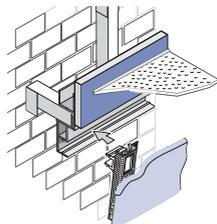
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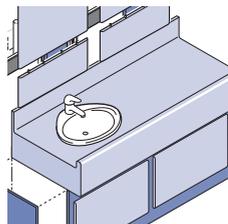
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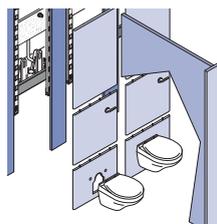
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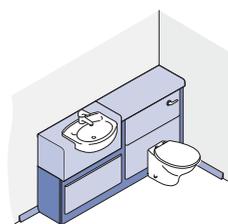
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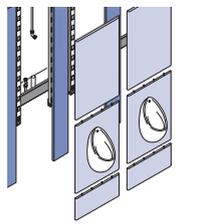
WC and wash basin assembly
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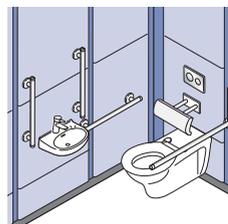
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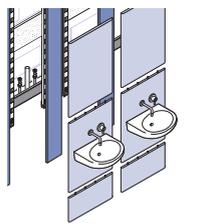


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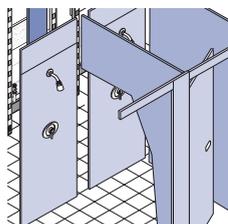


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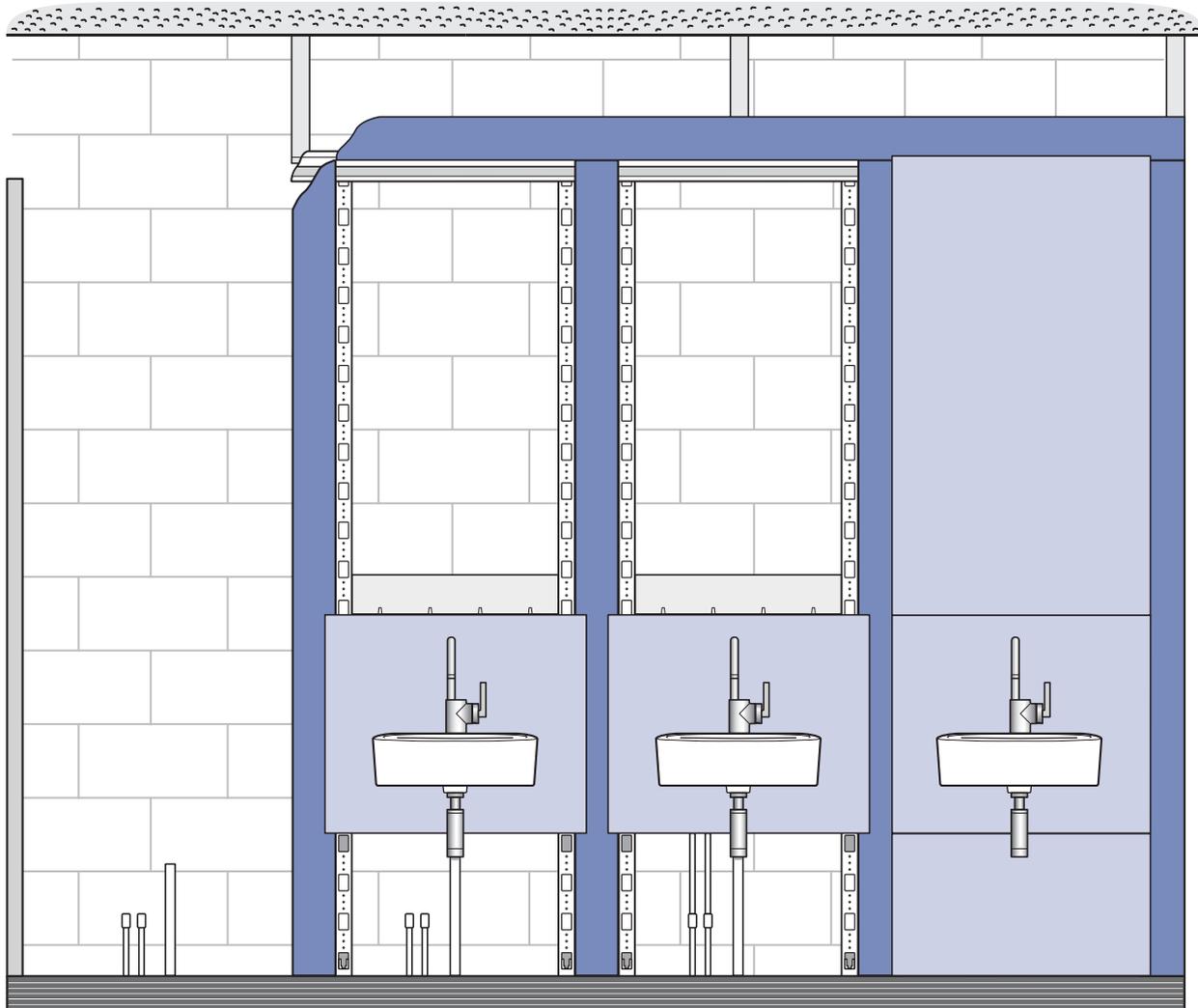
Washbasin assembly
Page 14



Shower assembly
Page 28



Sequence of installation



STEP 1

Once the site has been prepared, fix the aluminium site frame with aluminium baserails & steel wall/ceiling and floor.

STEP 2

Click-fix the first IPS *Evolve* unit onto the frame and slide into position. Attach a vertical flashgap to the frame, on either side of the unit, screw-fixing to the frame from the face. Fix tie back to wall. Repeat until all units are in place.

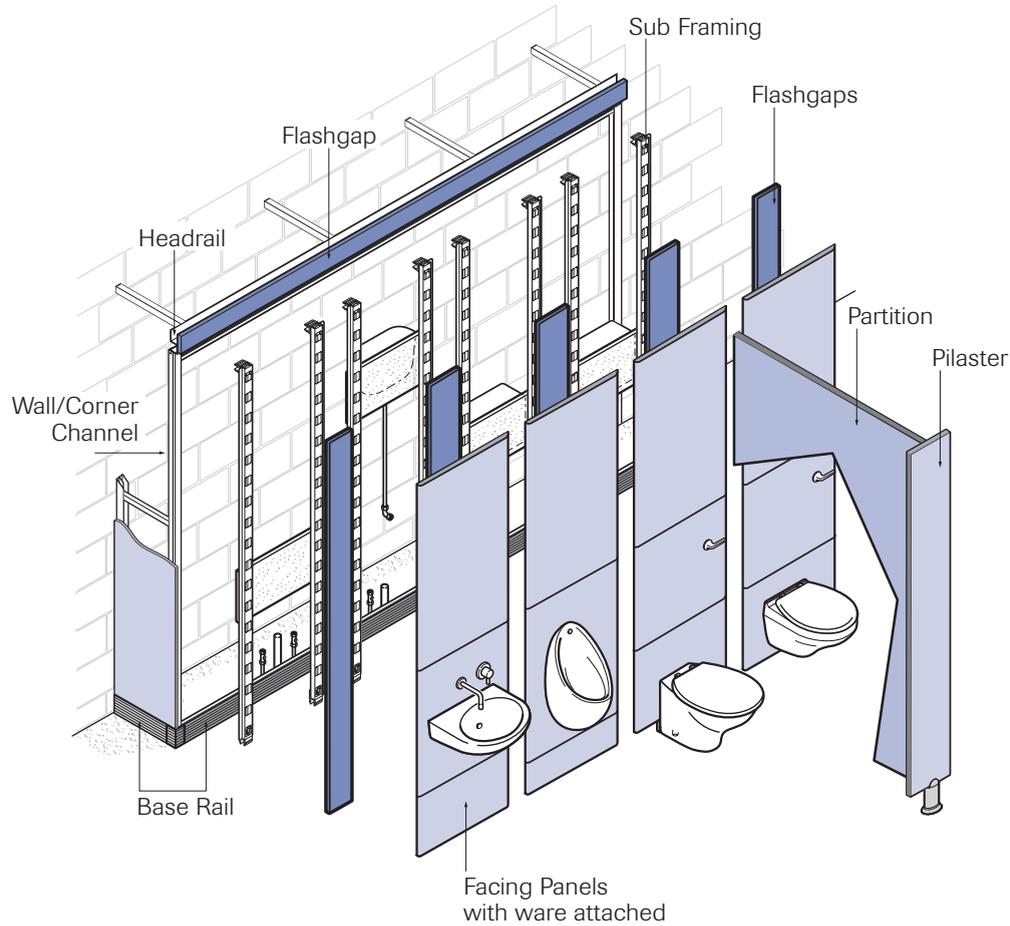
STEP 3

Once all the units are in position connect the plumbing and other services.

STEP 4

Simply attach the top and bottom panels to the units. Installation complete.

Installation details



Technical specification

IPS *Evolve* conforms to the following specification:

Panels: All panels are designed in sections for ease of installation and to gain access for the maintenance of concealed services. Butt joints are machined square and supplied fitted with locating dowels. Manufactured from a choice of three performance boards:

Melamine faced chipboard: 19mm high performance melamine faced 730kg/m³ grade chipboard, PEFC approved, which is moisture resistant. All visible panel edges are lipped with profiled 3mm PVC.

High pressure laminate: 17mm V313 moisture resistant 680kg/m³ grade chipboard, PEFC approved.

Panels are faced both sides with high pressure laminate to an overall thickness of 19mm. Panels have either, postformed vertical edges with black pvc to horizontal edges or all edges lipped with 3mm profiled pvc.

Solid grade laminate: 13mm thick panels that are extremely resistant to impact and panel core that is impervious to water. Edges are radiused and polished black. No lipping is required.

Site frame: Framing manufactured from extruded aluminium base and headrails, rolled metal wall channels.

Sub-frame: Manufactured from rolled galvanised steel section with bracing board in 17mm mr chipboard. Sub-frame installed

within aluminium site frame by click-fix nylon location brackets. Back panels fixed to steel section by BZP mild steel joggle clips.

Washbasin: Fixed to back panel and sealed with white silicone sealant at our factory complete with taps, waste and traps. The concealed hot and cold services in 15mm copper pipe terminate behind the bottom or top access panel as required. The waste pipe from the trap terminates with a multi-fit outlet.

Vanity units: Manufactured from a choice of performance boards. Supplied complete with vanity basin, taps and waste fitted at our factory.

WCs: Supplied loose to be fixed on site. Cisterns are assembled,

tested and fixed to the unit at our factory with overflow and supply terminating at the cistern unless otherwise specified.

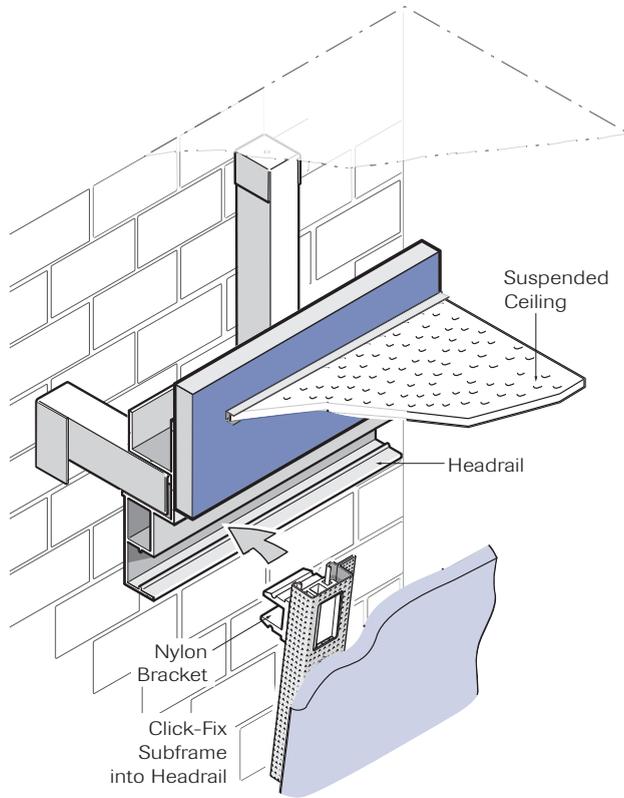
Urinals: Fixed to the back panel and sealed with white silicone sealant at our factory. The auto-cistern petcock, flushpipe and trap are also factory-fitted. The waste pipe terminates with a multi-fit outlet.

WC cubicles: Armitage Venesta has an extensive range of complementary cubicles that can be incorporated with IPS *Evolve*. Details on request.

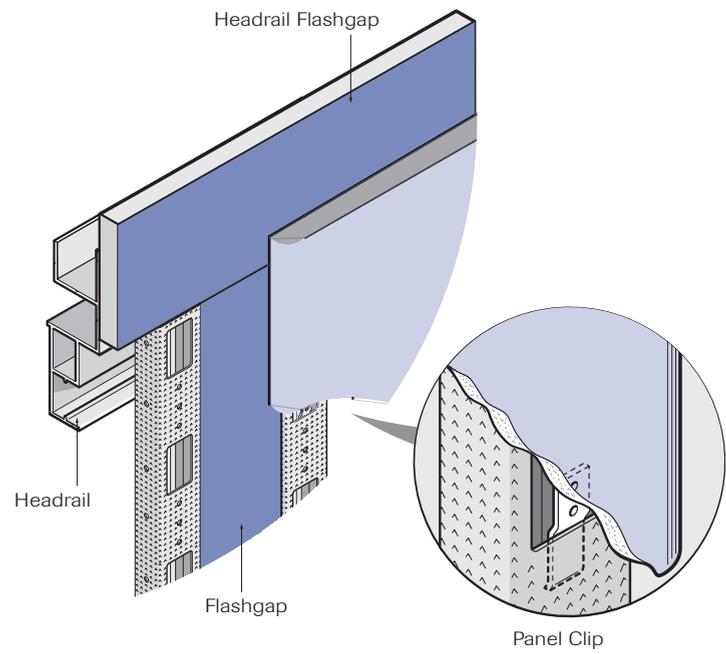
Ducts: Minimum duct / Panel sizes shown are to suit IPS *Evolve*. However plumber / installer may require more space to suit waste system etc.

Assembly details

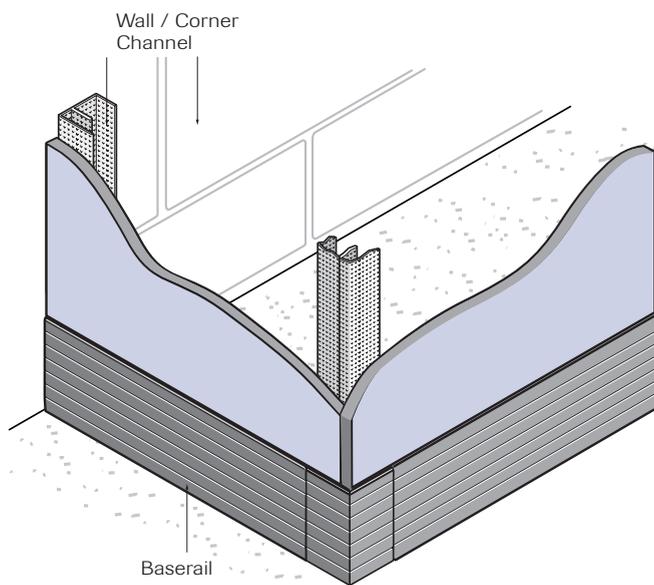
Headrail and suspended ceiling



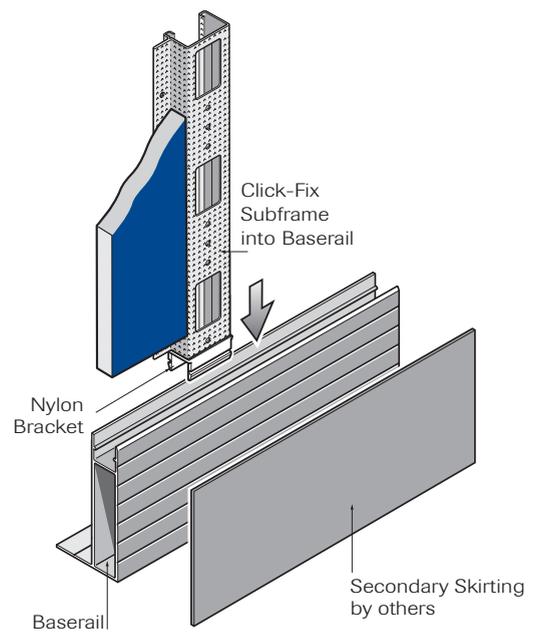
Flashgaps to headrail



Baserail corner

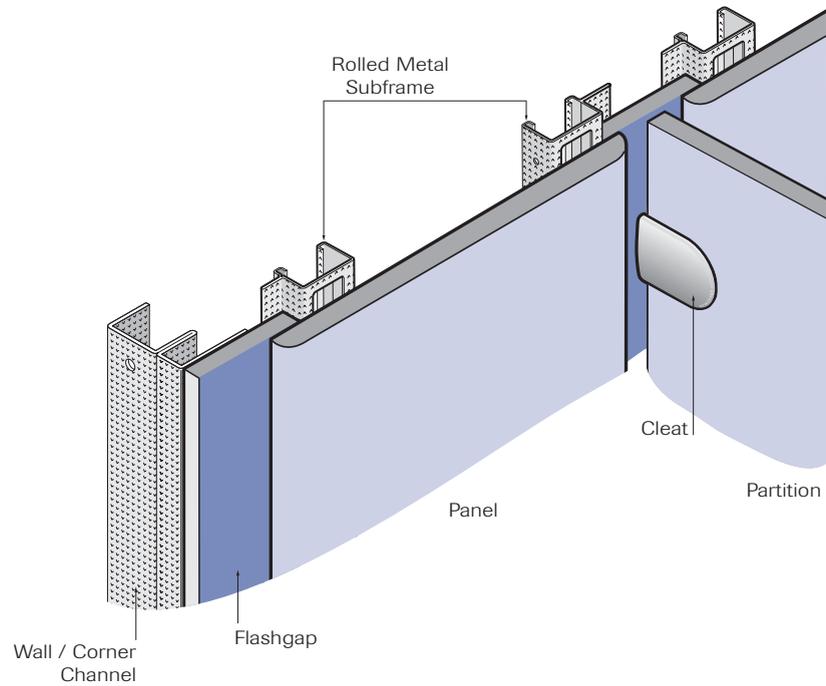


Aluminium baserail

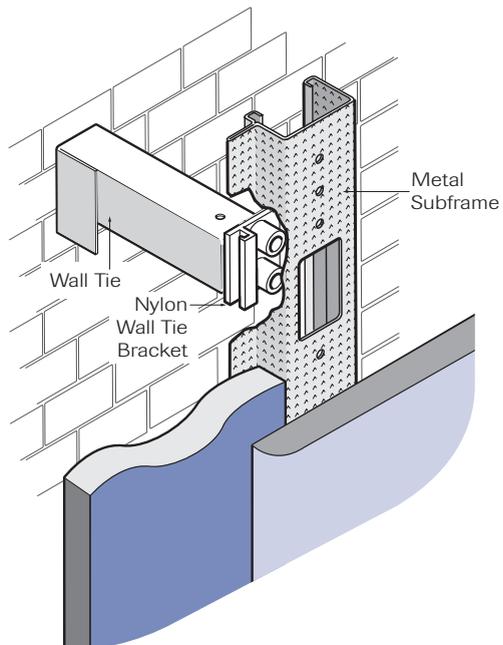


Assembly details

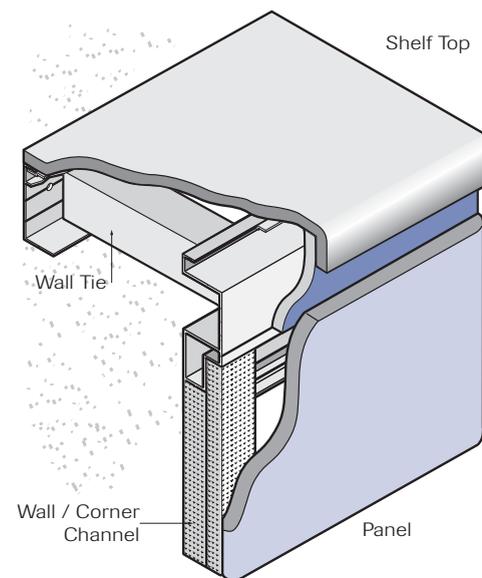
Make-up detail



Wall tie detail



Shelf height detail



Panel mounted WC assembly

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Panel mounted WC
- Concealed fittings
- Easy clean

Pre-plumbed panel mounted WC unit in variable panel widths and heights to suit customer requirements.

Typical NBS specification N13 sanitary appliances/fittings

N13/520 pre-plumbed panel lining system

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL. Telephone 01474 353333.

'IPS *Evolve*' high pressure laminate pre-plumbed washroom system.

Panel: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall panel thickness of 19mm. Panels have either, postformed vertical edges with black pvc to horizontal edges or all edges lipped with 3mm profiled pvc. Each panel section fitted to subframe with concealed BZP mild steel joggle clips, panel sections joined together with locating dowels.

Subframe: Rolled metal section subframe with chipboard bracing board, fitted to site frame with nylon click-fix location brackets.

Site framing: Extruded aluminium base, headrail sections, rolled metal wall channels.

Flashgaps: 19mm thick melamine faced chipboard.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit, unless stated otherwise, all factory assembled by Armitage Venesta.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/525 WC pre-plumbed panel

Panel system as clause 520: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit by Armitage Venesta unless stated elsewhere.

WC arrangement: Panel mounted wc with concealed low level cistern.

Pan: Armitage Shanks S680001 Braemar vitreous china panel mounted wc (supplied as a loose item for fixing on site).

Seat: Armitage Shanks S406001 Bakasan seat and cover with stainless steel rod and chrome plated metal pillar hinges.

Pan connector: Panekta pan connector S4325

Cistern/flush pipe: Armitage Shanks Conceala plastic concealed cistern with internal overflow.

Flush volume: 6 litres.

Valve/float/operating mechanism: 1/2" Microvalve HP/LP ballvalve, S4428AA chrome plated lever.

Other accessories: Armitage Shanks S450567 Simpla inlet connector. S9200 support frame in aluminium alloy with bolts.

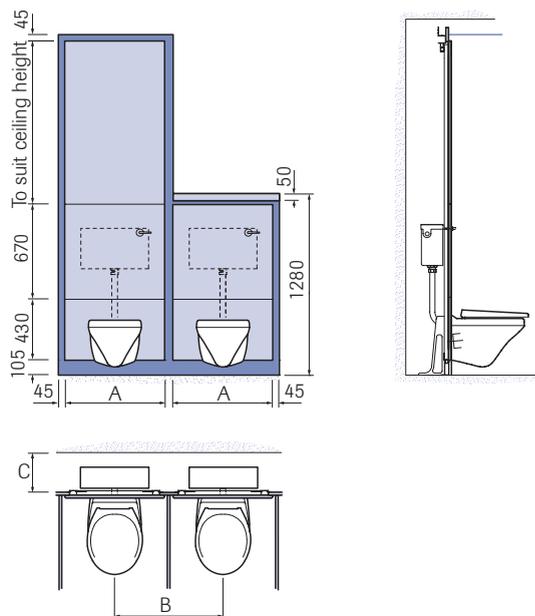
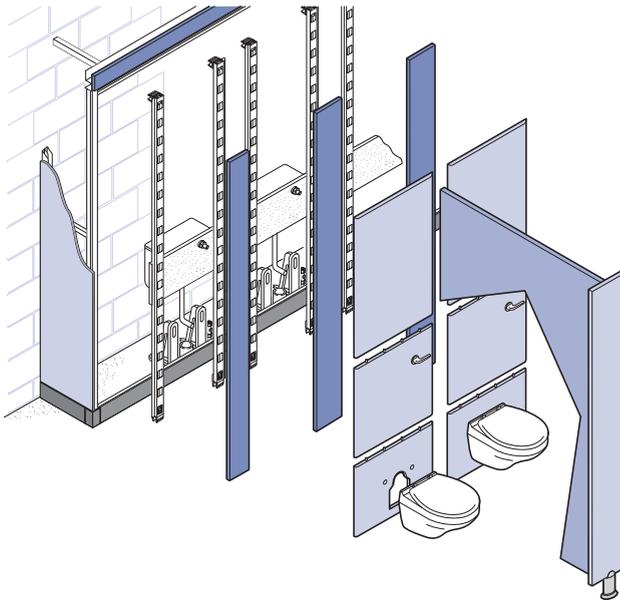
Sealing: Joint between wc and panel as clause 750.

Alternative panels

- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.

Alternative sanitaryware

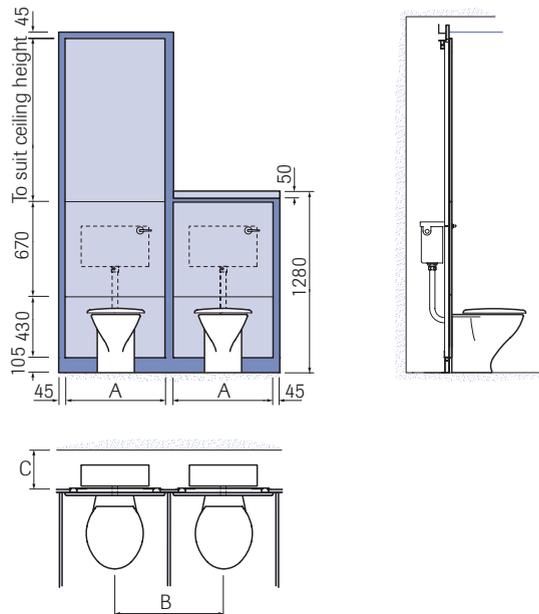
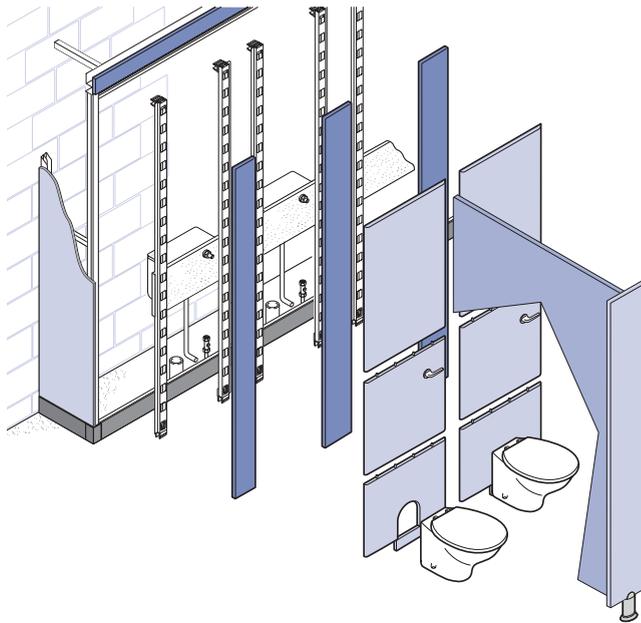
For full range of Panel Mounted WC's please refer to page 31.



	typical	min.
A Panel Width	700	540
B Centres	variable	
C Duct Depth	300	250

Floor mounted WC assembly

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Floor mounted
- Back-to-wall
- Aesthetic appearance



	typical	min.
A Panel Width	700	540
B Centres	variable	
C Duct Depth	300	210

Pre-plumbed panel mounted WC unit in variable panel widths and heights to suit customer requirements.

Typical NBS specification N13 sanitary appliances/fitings

N13/520 pre-plumbed panel lining system

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL. Telephone 01474 353333.

'IPS *Evolve*' high pressure laminate pre-plumbed washroom system.

Panel: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall panel thickness of 19mm. Panels have either, postformed vertical edges with black pvc to horizontal edges or all edges lipped with 3mm profiled pvc. Each panel section fitted to subframe with concealed BZP mild steel joggle clips, panel sections joined together with locating dowels.

Subframe: Rolled metal section subframe with chipboard bracing board, fitted to site frame with nylon click-fix location brackets.

Site framing: Extruded aluminium base, headrail sections, rolled metal wall channels.

Flashgaps: 19mm thick melamine faced chipboard.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit, unless stated otherwise, all factory assembled by Armitage Venesta.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/525 WC pre-plumbed panel

Panel System as clause 520: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit by Armitage Venesta unless stated elsewhere.

WC arrangement: Back to wall panel mounted wc with concealed cistern.

Pan: Armitage Shanks S342001 Contour 2 vitreous china back to wall floor mounted wc (supplied as a loose item for fixing on site).

Seat: Armitage Shanks S406001 Bakasan seat and cover with stainless steel rod and chrome plated metal pillar hinges.

Pan connector: Panekta pan connector S4305 (converts to P trap)

Cistern/flush pipe: Armitage Shanks Conceala plastic concealed cistern with internal overflow.

Flush volume: 6 litres.

Valve/float/operating mechanism: 1/2" Microvalve HP/LP ballvalve, S4428AA chrome plated lever.

Other accessories: Armitage Shanks S450567 Simpla inlet connector.

Sealing: Joint between wc and panel as clause 750.

Alternative panels

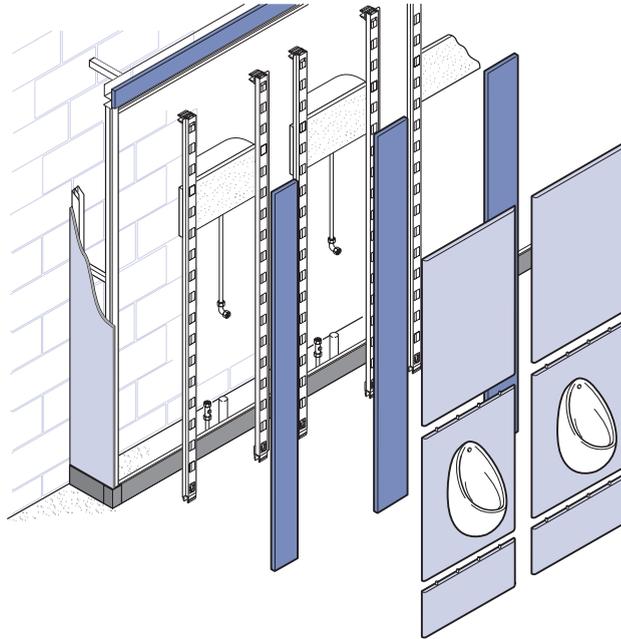
- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.

Alternative sanitaryware

For full range of Floor Mounted WC's please refer to page 32

Concealed outlet urinal assembly

- Pre-plumbed panel mounted urinal
- IPS *Evolve* metal framework
- Concealed waste outlet
- Easy clean
- Aesthetic appearance



Pre-plumbed panel mounted urinal unit in variable panel widths and heights to suit customer requirements.

Typical NBS Specification N13 sanitary appliances/fitings

N13/520 pre-plumbed panel lining system

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL. Telephone 01474 353333.

'IPS *Evolve*' high pressure laminate pre-plumbed washroom system.

Panel: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall panel thickness of 19mm. Panels have either, postformed vertical edges with black pvc to horizontal edges or all edges lipped with 3mm profiled pvc. Each panel section fitted to subframe with concealed BZP mild steel joggle clips, panel sections joined together with locating dowels.

Subframe: Rolled metal section subframe with chipboard bracing board, fitted to site frame with nylon click-fix location brackets.

Site Framing: Extruded aluminium base, headrail sections, rolled metal wall channels.

Flashgaps: 19mm thick melamine faced chipboard.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit, unless stated otherwise, all factory assembled by Armitage Venesta.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/530 urinal/pre-plumbed panel

Panel System as clause 520: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit by Armitage Venesta unless stated elsewhere.

Urinal: Armitage Shanks S611001 Contour vitreous china urinal bowl.

Waste/trap: Armitage Shanks S8850 40mm plastic domed waste, S8970 40mm plastic P trap with 75mm seal and multi-fit outlet.

Cistern/flush pipe(s) (complete with automatic syphon, lid and supports/fixings): Armitage Venesta S627067 4.5 litres auto cistern, pre-plumbed copper flush pipe.

Other accessories: Armitage Shanks S6286 back inlet spreader, S9275 concealed steel hangers, S9276 toggle bolts.

Sealing: Joint between urinal bowl and panel sealed with white silicone sealant by Armitage Venesta.

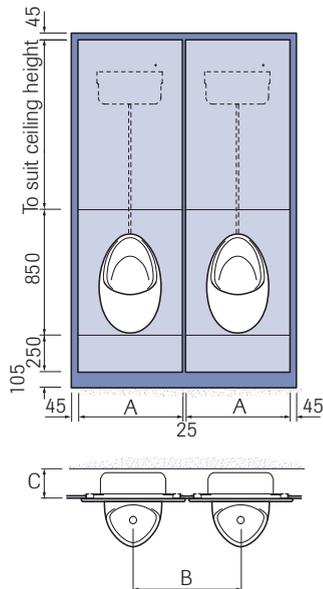
Note: Urinal division panels by Armitage Venesta. 19mm o/all thickness, high pressure laminate faced V313 moisture resistant chipboard core, with radiused top and bottom external corners. Vitreous china divisions are also available.

Alternative panels

- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.

Alternative sanitaryware

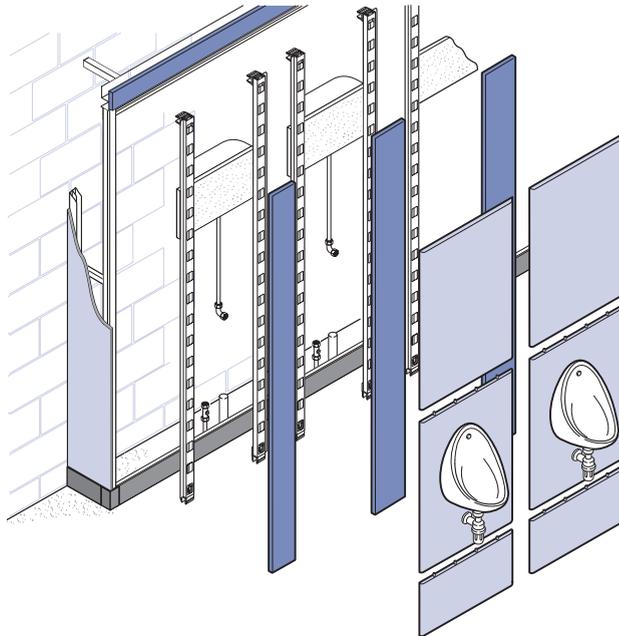
For full range of Urinals please refer to page 35.



	typical	min.
A Panel Width	700	525
B Centres	variable	
C Duct Depth	300	210

Exposed outlet urinal assembly

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Panel mounted urinal
- Exposed waste
- Compact size



Pre-plumbed panel mounted urinal unit in variable panel widths and heights to suit customer requirements.

Typical NBS Specification N13 sanitary appliances/fitings

N13/520 pre-plumbed panel lining system

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL. Telephone 01474 353333.

'IPS *Evolve*' high pressure laminate pre-plumbed washroom system.

Panel: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall panel thickness of 19mm. Panels have either, postformed vertical edges with black pvc to horizontal edges or all edges lipped with 3mm profiled pvc. Each panel section fitted to subframe with concealed BZP mild steel joggle clips, panel sections joined together with locating dowels.

Subframe: Rolled metal section subframe with chipboard bracing board, fitted to site frame with nylon click-fix location brackets.

Site framing: Extruded aluminium base, headrail sections, rolled metal wall channels.

Flashgaps: 19mm thick melamine faced chipboard.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit, unless stated otherwise, all factory assembled by Armitage Venesta.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/530 urinal/pre-plumbed panel

Panel System as clause 520: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit by Armitage Venesta unless stated elsewhere.

Urinal: Armitage Shanks S610001 Sanura 500mm vitreous china urinal bowl.

Waste/trap: Armitage Shanks S8850 40mm plastic domed waste, S8915 40mm plastic P trap with 75mm seal.

Cistern/flush pipe(s) (complete with automatic syphon, lid and supports/fixings): Armitage Venesta S627067 4.5 litre auto cistern, pre-plumbed copper flush pipe.

Other accessories: Armitage Shanks S6286 back inlet spreader, S9275 concealed steel hangers.

Sealing: Joint between urinal bowl and panel sealed with white silicone sealant by Armitage Venesta.

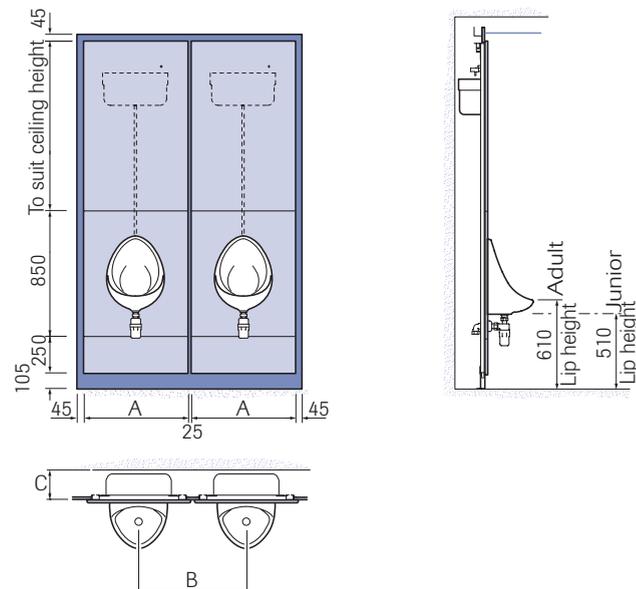
Note: Urinal division panels by Armitage Venesta. 19mm o/a thickness, high pressure laminate faced V313 moisture resistant chipboard core, with radiused top and bottom external corners. Vitreous china divisions are also available.

Alternative panels

- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.

Alternative sanitaryware

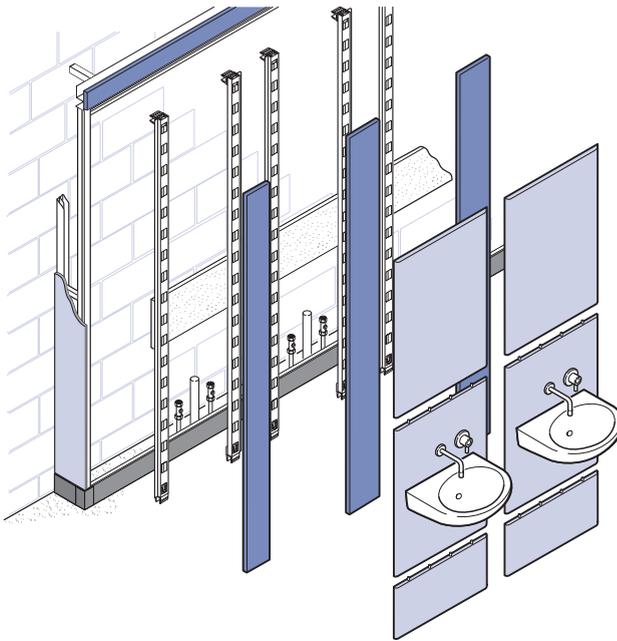
For full range of Urinals please refer to page 35.



	typical	min.
A Panel Width	700	525
B Centres	variable	
C Duct Depth	300	210

Concealed outlet washbasin assembly

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Panel mounted washbasin with no tapholes
- Concealed waste outlet
- Aesthetic appearance



Pre-plumbed panel mounted washbasin unit in variable panel widths and heights to suit customers requirements.

Typical NBS Specification N13 sanitary appliances/fittings

N13/520 pre-plumbed panel lining system

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL. Telephone 01474 353333.

'IPS *Evolve*' high pressure laminate pre-plumbed washroom system.

Panel: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall panel thickness of 19mm. Panels have either, postformed vertical edges with black pvc to horizontal edges or all edges lipped with 3mm profiled pvc. Each panel section fitted to subframe with concealed BZP mild steel joggle clips, panel sections joined together with locating dowels.

Subframe: Rolled metal section subframe with chipboard bracing board, fitted to site frame with nylon click-fix location brackets.

Site framing: Extruded aluminium base, headrail sections, rolled metal wall channels.

Flashgaps: 19mm thick melamine faced chipboard.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit, unless stated otherwise, all factory assembled by Armitage Venesta.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/545 wash basin/pre-plumbed panel

Panel system as clause 520: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit by Armitage Venesta unless stated elsewhere.

Wash basin: Armitage Shanks S229501 Contour 500mm vitreous china basin, no tap holes, no chain hole, no overflow, concealed waste.

Taps: S7422AA Contour 2 single control chrome plated panel mounted mixer, quarter turn ceramic disc operation, 150mm spout with alternative aerator or flow straightener outlet, flexible inlet tails with integral combined filter and regulating valves.

Waste: Armitage Shanks S8750 32mm waste outlet adaptor with S8745 plastic waste grating, chain, plug and screw stay.

Trap: Armitage Shanks S8920 32mm plastic re-sealing bottle trap with 75mm seal and multi-fit outlet.

Other accessories: Armitage Shanks S9161 concealed hangers, toggle bolts and clips.

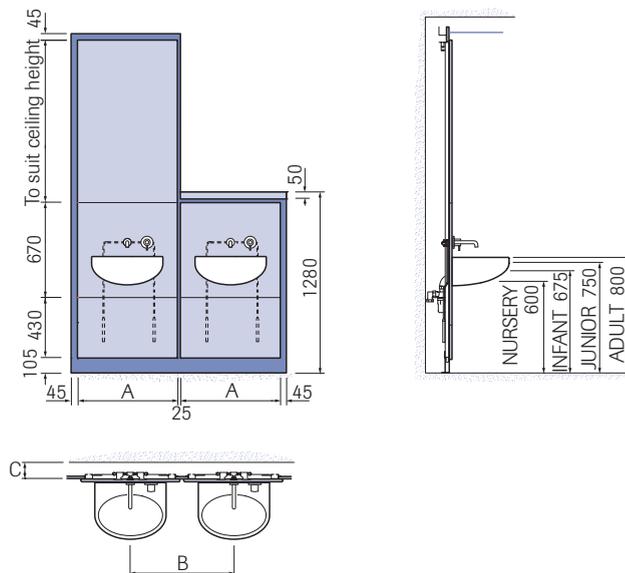
Sealing: Joint between basin and panel sealed with white silicone sealant by Armitage Venesta.

Alternative panels

- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.

Alternative sanitaryware

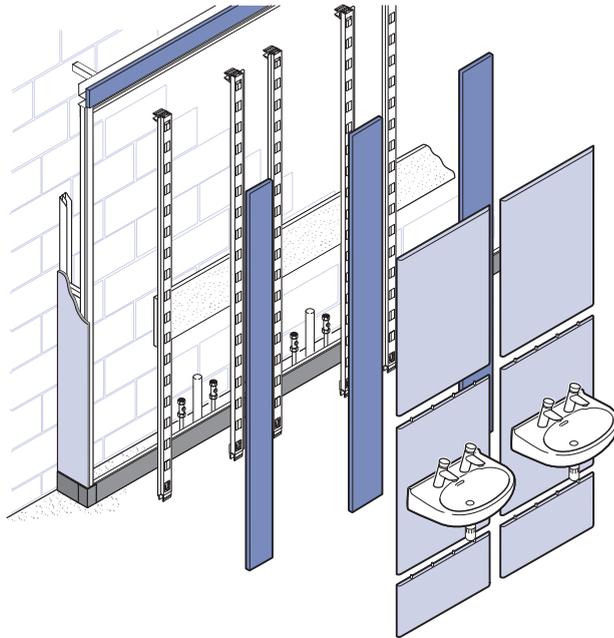
For full range of Panel Mounted Washbasins please refer to page 38 and 39.



	typical	min.
A Panel Width	700	590
B Centres	variable	
C Duct Depth	200	120

Exposed outlet washbasin assembly

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Panel mounted washbasin
- Exposed waste
- Taphole options



Pre-plumbed panel mounted washbasin unit in variable panel widths and heights to suit customers requirements.

Typical NBS Specification N13 sanitary appliances/fittings

N13/520 pre-plumbed panel lining system

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL. Telephone 01474 353333.

'IPS *Evolve*' high pressure laminate pre-plumbed washroom system.

Panel: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall panel thickness of 19mm. Panels have either, postformed vertical edges with black pvc to horizontal edges or all edges lipped with 3mm profiled pvc. Each panel section fitted to subframe with concealed BZP mild steel joggle clips, panel sections joined together with locating dowels.

Subframe: Rolled metal section subframe with chipboard bracing board, fitted to site frame with nylon click-fix location brackets.

Site framing: Extruded aluminium base, headrail sections, rolled metal wall channels.

Flashgaps: 19mm thick melamine faced chipboard.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit, unless stated otherwise, all factory assembled by Armitage Venesta.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/545 wash basin/pre-plumbed panel

Panel system as clause 520: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit by Armitage Venesta unless stated elsewhere.

Wash basin: Armitage Shanks S222001 Portman 500mm vitreous china basin with two tap holes, overflow & chain hole.

Taps: Armitage Shanks S7239AA Avon chrome plated non-concussive self closing pillar taps with anti-splash outlet.

Waste: Armitage Shanks S8800AA 32mm chrome plated plastic waste with bead chain and plastic plug, 80mm slotted tail, bolt stay.

Trap: Armitage Shanks S8920 32mm plastic re-sealing bottle trap with 75mm seal.

Other accessories: Armitage Shanks S9160 aluminium alloy hangers and fixing clamps.

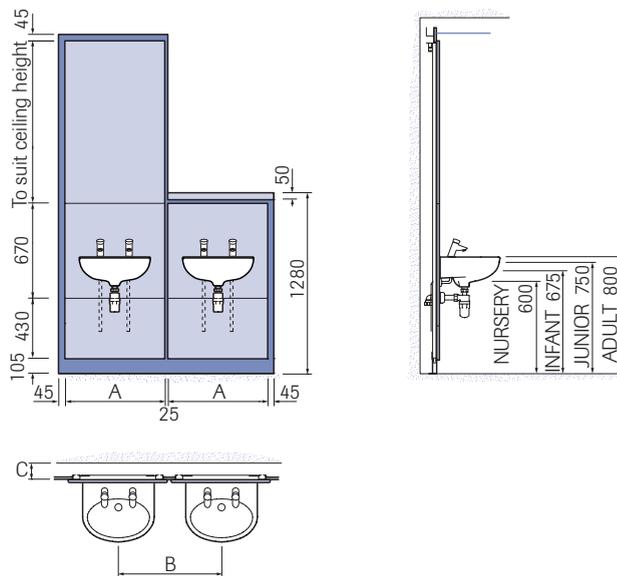
Sealing: Joint between basin and panel sealed with white silicone sealant by Armitage Venesta.

Alternative panels

- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.

Alternative sanitaryware

For full range of Panel Mounted Washbasins please refer to page 38 and 39

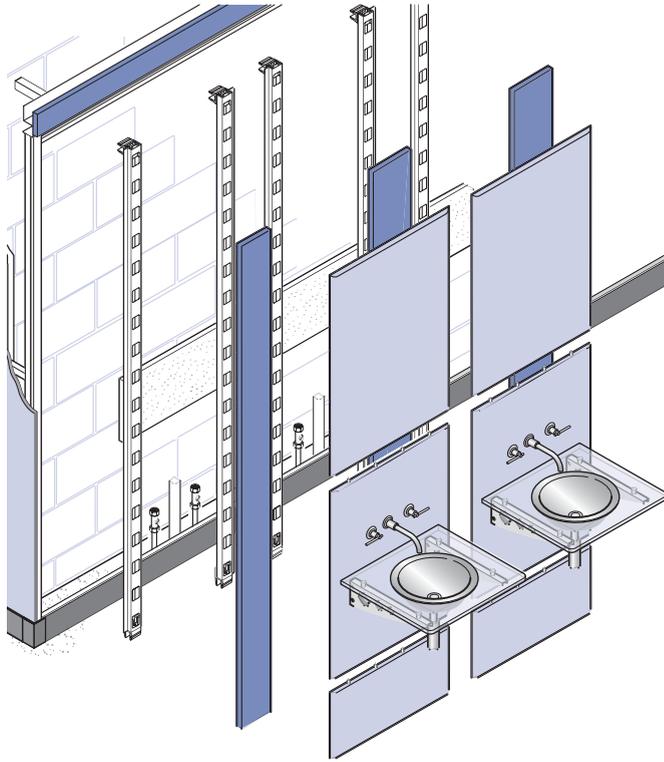


	typical	min.
A Panel Width	700	590
B Centres	variable	
C Duct Depth	200	120

Glass vanities

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Single/multiple glass/stainless steel modular vanity units

Pre-plumbed glass vanity unit available in variable panel widths and heights to suit customer requirements.



Typical NBS Specification N13 sanitary appliances/fitings

N13/520 pre-plumbed vanity unit

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL. Telephone 01474 353333.

'IPS Evolve' Oslo glass vanity unit

Top: 15mm thick toughened glass to BS6206A with radiused front corners and polished edges, 600 x 555mm single basin unit.

Support system: Cantilever brackets manufactured from 3mm thick brushed stainless steel, laser cut and folded with integral stainless steel fixing block, complete with adjustable top fixing for levelling of glass, Ref: 0600220

Fixing: Glass top secured brackets with 20mm VHB die cut adhesive discs, Ref: 0901011

Panel: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall panel thickness of 19mm. Panels have either, postformed vertical edges with black pvc to horizontal edges or all edges lipped with 3mm profiled pvc. Each panel section fitted to subframe with concealed BZP mild steel joggle clips, panel sections joined together with locating dowels.

Subframe: Rolled galvanised steel section with steel bracing board, fitted to site frame with nylon click-fix location brackets.

Site framing: Extruded aluminium base, headrail and jamb sections.

Flashgaps: 19mm thick melamine faced chipboard.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to vanity unit, unless stated otherwise, all factory assembled.

N13/550 vanity unit/pre-plumbed panel

Vanity top as clause 520: Supplied as a loose item for fixing on site.

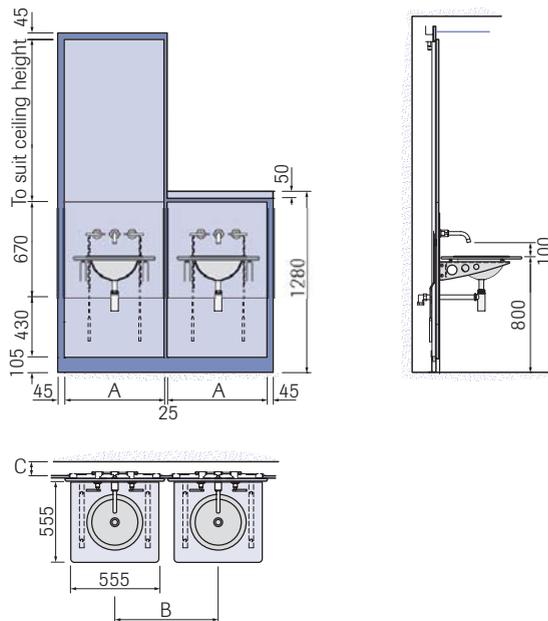
Wash basin: Polished stainless steel fully inset basin, no tap holes, dia 381mm.

Taps: Jado Newhaven wall mounted tap.

Waste: Chrome plated captive plug waste, Ref: 9C05004 (for use with Oslo glass vanity top only).

Trap: Chrome plated metal bottle trap, Ref: 9C05003 (for use with Oslo glass vanity top only).

Sealing: Joint between basin and vanity top sealed with clear silicone sealant by Armitage Venesta.



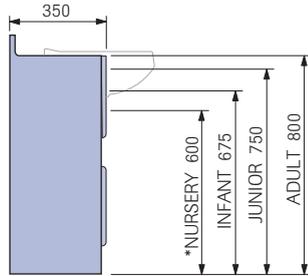
	typical	min.
A Panel Width	700	590
B Centres	variable	
C Duct Depth	200	120

Vanities assembly options

- Pre-plumbed units
- Vanity units bespoke
- Postformed laminate
- Solid surface material
- Compact laminate

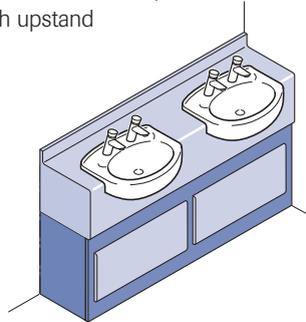
Vanity units are an integral part of the washroom design. There are various configurations and materials that can be combined to create the overall desired aesthetics.

K1 & K2 Bed heights

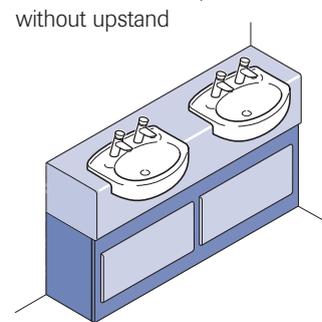


*K1 & K2 Vanity Apron Height Reduced to 200mm

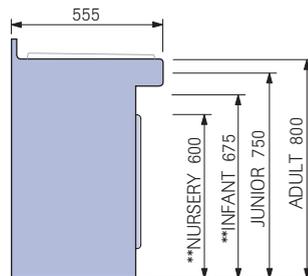
K1 Semi-countertop with upstand



K2 Semi-countertop without upstand

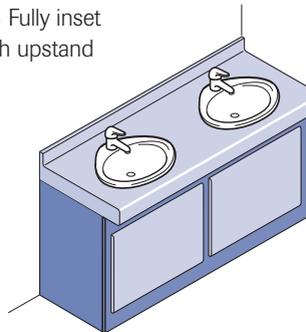


K3 & K4 Bed heights



** Check tap reach is correct for user

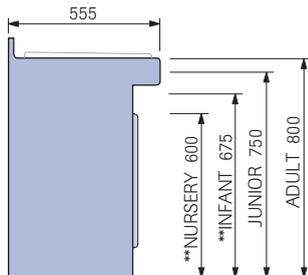
K3 Fully inset with upstand



K4 Fully inset without upstand



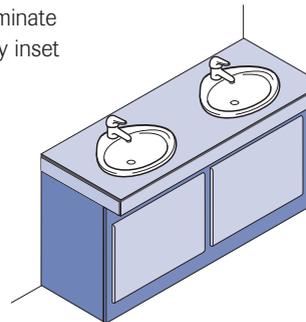
C1 & S1 Bed heights



** Check tap reach is correct for user

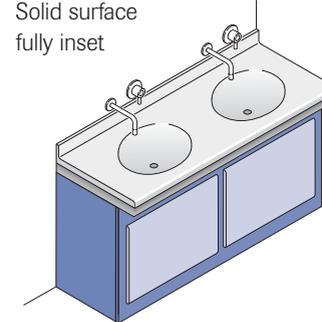
Compact C1

Laminate
fully inset

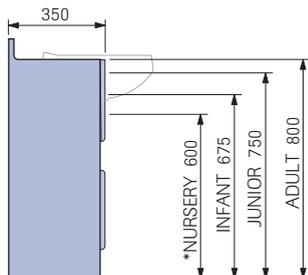


Swanstone S1

Solid surface
fully inset



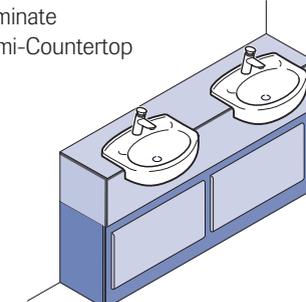
C2 & S2 Bed Heights



*C2 Vanity Apron Height Reduced to 200mm

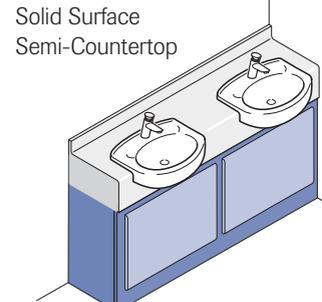
Compact C2

Laminate
Semi-Countertop



Swanstone S2

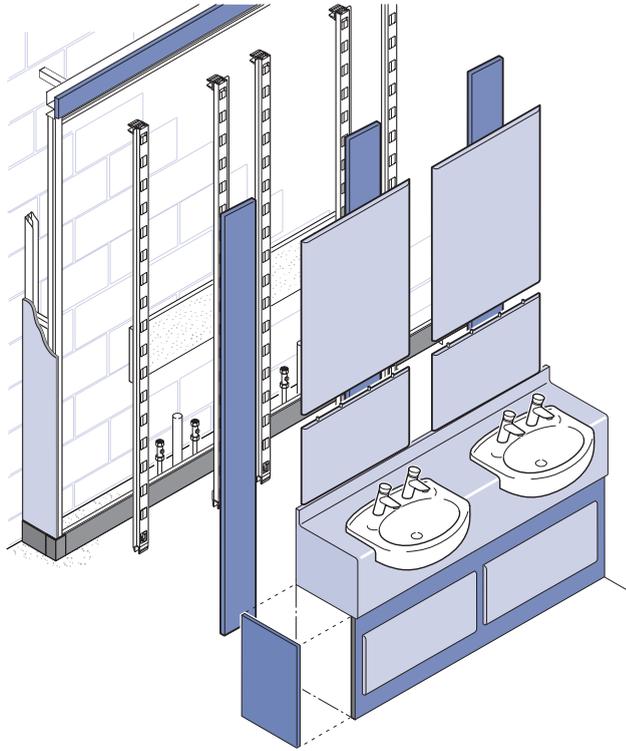
Solid Surface
Semi-Countertop



K1/K2 vanity units

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Semi-countertop basin

Pre-plumbed K1/K2 vanity units available in variable panel widths and heights to suit customer requirements.



Typical NBS Specification N13 sanitary appliances/fittings

N13/520 pre-plumbed vanity unit

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL Telephone 01474 353333

'IPS K1' profile vanity unit

Top: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall thickness of 19mm. Top comprises 350mm overall width bed with post-formed 300mm front downstand and 75mm high rear upstand, 800mm overall height from FFL to top of bed. Top reinforced with 17mm thick moisture resistant chipboard divisions and ends with 38 x 75 mm WROT softwood back rail all framed together including 18 x 18 x 75 mm softwood corner blocks, glued and screwed.

Underframe: 19mm moisture resistant melamine faced 730kg/m³ density chipboard.

Underpanels: 17mm thick WBP plywood, faced on both sides with high pressure laminate creating an overall thickness of 19mm. All horizontal edges post formed, vertical edges sealed with matching laminate.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to vanity unit, unless stated otherwise, all factory assembled.

N13/550 vanity basin/pre-plumbed unit

Vanity top as clause 520: Vanity basin, taps & waste factory fitted and sealed to the vanity top by Armitage Venesta unless stated.

Wash basin: Armitage Shanks S244001 Profile 505mm vitreous china semi-inset vanity basin with two tap holes, overflow & chain hole.

Taps: Armitage Shanks S7239 Avon chrome plated non- concussive self closing pillar taps with anti-splash outlet.

Waste: Armitage Shanks S8800AA 32mm chrome plated plastic waste with bead chain and plastic plug, 80mm slotted tail, bolt stay.

Trap: Armitage Shanks S8911 32mm plastic re-sealing bottle trap with 75mm seal. (Marley Monitor anti-syphon bottle trap).

Sealing: Joint between basin and vanity top sealed with white silicone sealant by Armitage Venesta.

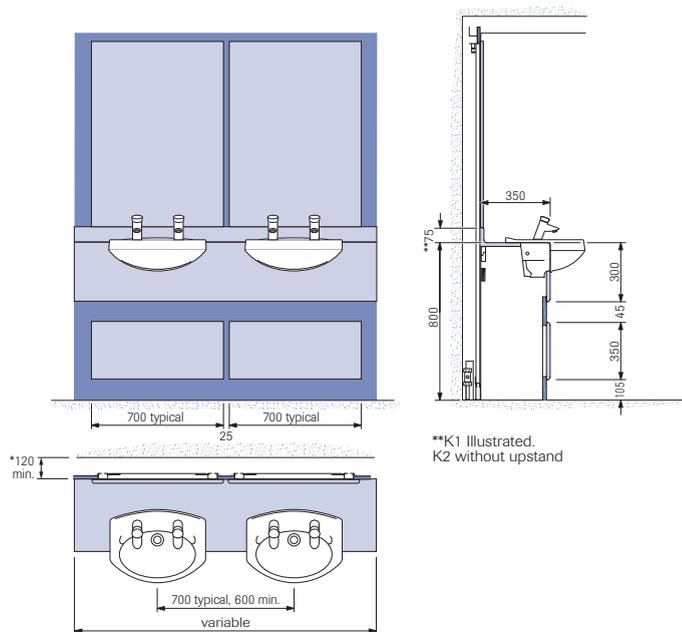
Alternatives

- 'IPS K2' Profile Vanity Unit

Top: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall thickness of 19mm. Top comprises 350mm overall width bed with post-formed 300mm front downstand.

Panels

- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.

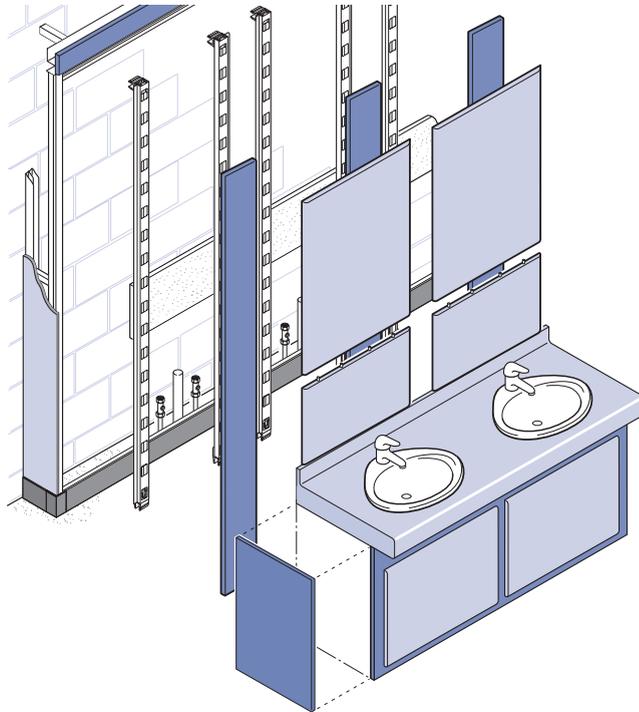


*Note: Can be a Wall Lining System with services under vanity see Plain Panels page 29.

K3/K4 vanity units

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Fully inset basin

Pre-plumbed K3/K4 vanity units available in variable panel widths and heights to suit customer requirements.



Typical NBS Specification N13 sanitary appliances/fittings

N13/520 pre-plumbed vanity unit

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL Telephone 01474 353333

'IPS K3' profile vanity unit

Top: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall thickness of 19mm. Top comprises 555mm overall width bed with post-formed 100mm front downstand and 75mm rear upstand, 800mm overall height from FFL to top of bed. Top reinforced with 17mm thick moisture resistant chipboard divisions and ends with 38 x 75 mm WROT softwood back rail all framed together including 18 x 18 x 75 mm softwood corner blocks, glued and screwed.

Underframe: 19mm moisture resistant melamine faced 730kg/m³ density chipboard.

Underpanels: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall thickness of 19mm. All horizontal edges post formed, vertical edges sealed with matching laminate.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to vanity unit, unless stated otherwise, all factory assembled.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/550 vanity basin/pre-plumbed unit

Vanity top as clause 520: Vanity basin, taps & waste factory fitted and sealed to the vanity top by Armitage Venesta unless stated.

Wash basin: Armitage Shanks S255101 Orbit 570mm inset basin with single central tap hole & overflow.

Taps: Ideal Standard A1395AA Tratto chrome plated single lever monoblock mixer with pop-up waste.

Waste: Pop-up waste included with tap.

Trap: Armitage Shanks S8920 32mm plastic re-sealing bottle trap with 75mm seal.

Sealing: Joint between basin and vanity top sealed with white silicone sealant by Armitage Venesta.

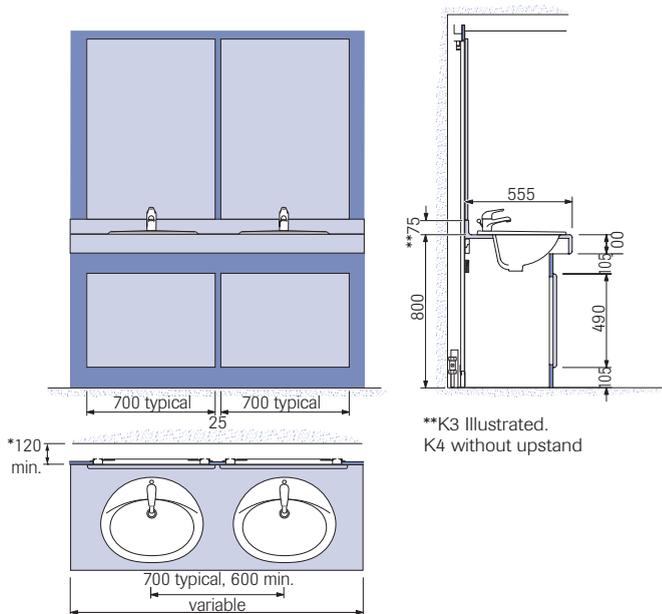
Alternatives

- 'IPS K4' Profile Vanity Unit

Top: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall thickness of 19mm. Top comprises 555mm overall width bed with post-formed 100mm front downstand.

Panels

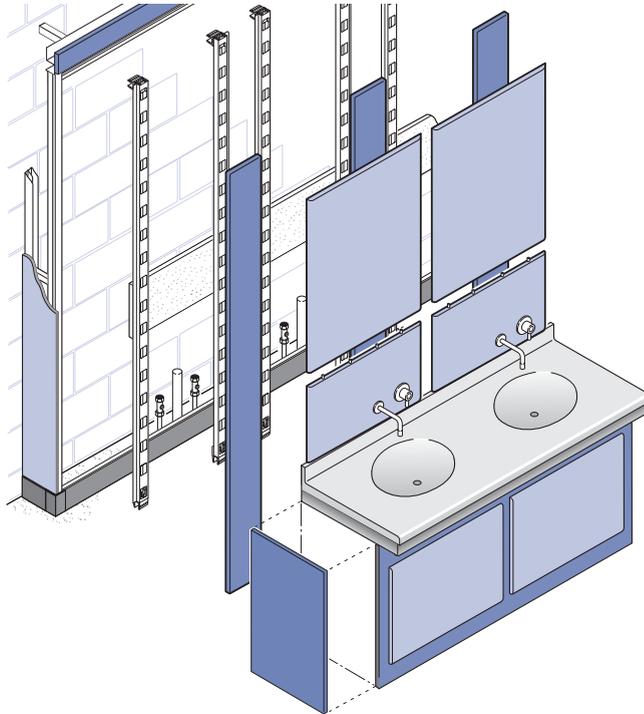
- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.



*Note: Can be a Wall Lining System with services under vanity see Plain Panels page 29.

Swanstone S1 vanity unit

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Solid surface top
- Integrated vanity basin



Pre-plumbed Swanstone S1 vanity unit available in variable panel widths and heights to suit customer requirements.

Typical NBS Specification N13 sanitary appliances/fittings

N13/520 pre-plumbed vanity unit

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL Telephone 01474 353333

'IPS S1' profile Swanstone vanity unit

Top: 13.5mm thick Swanstone solid homogeneous material with moulded-in reinforcements. Top comprises 555mm overall width bed with 100mm front downstand and 76.5mm rear upstand, 800mm overall height from FFL to top of bed. Top reinforced with 17mm thick moisture resistant chipboard divisions with 38 x 75mm WROT softwood back rail all framed together including 18 x 18 x 75 mm softwood corner blocks, glued and screwed.

Basins: Swanstone integrated basin.

Underframe: 19mm moisture resistant melamine faced 730kg/m³ density chipboard.

Underpanels: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall thickness of 19mm. All horizontal edges post formed, vertical edges sealed with matching laminate.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit, unless stated otherwise, all factory assembled.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/550 vanity basin/pre-plumbed unit

Vanity top as clause 520: Vanity basin, taps & waste factory fitted and sealed to the vanity top by Armitage Venesta unless stated.

Wash basin: Swanstone integrated basin 400mm x 335mm.

Taps: S7422AA Contour 2 single control chrome plated panel mounted mixer, quarter turn ceramic disc operation, 150mm spout with alternative aerator or flow straightener outlet, flexible inlet tails with integral combined filter and regulating valves.

Waste: Armitage Shanks S8800AA 32mm chrome plated plastic waste with bead chain and plastic plug, 80mm slotted tail, bolt stay.

Trap: Armitage Shanks S8920 32mm plastic re-sealing bottle trap with 75mm seal.

Sealing: Joint between basin and vanity top sealed with white silicone sealant by Armitage Venesta.

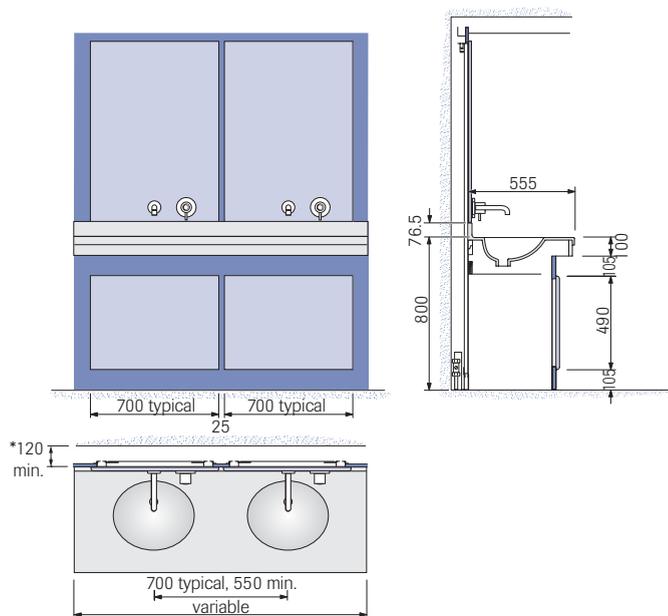
Alternatives

Basin options:

- Swanstone undermounted basin
- Vitreous basin included in clause K13/470

Panels

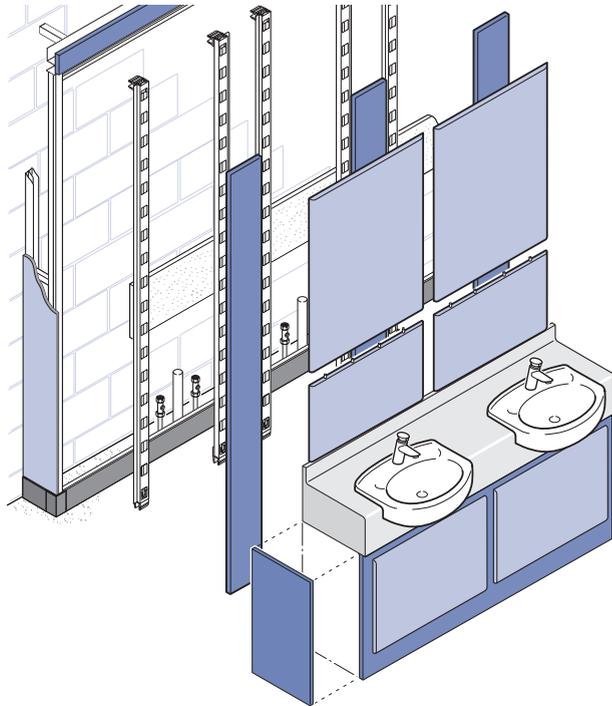
- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.



*Note: Can be a Wall Lining System with services under vanity see Plain Panels page 29.

Swanstone S2 vanity unit

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Semi-countertop basin
- Solid surface top



Pre-plumbed Swanstone S2 vanity unit available in variable panel widths and heights to suit customer requirements.

Typical NBS Specification N13 sanitary appliances/fitings

N13/520 pre-plumbed vanity unit

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL Telephone 01474 353333

'IPS S2' profile Swanstone vanity unit

Top: 13.5mm thick Swanstone solid homogeneous material with moulded-in reinforcements, complete with integral Swanstone basins. Top comprises 350mm overall width bed with 190mm front downstand and 76.5mm rear upstand, 800mm overall height from FFL to top of bed. Top reinforced with 17mm thick moisture resistant chipboard divisions with 38 x 75 mm WROT softwood back rail all framed together including 18 x 18 x 75 mm softwood corner blocks, glued and screwed.

Underframe: 19mm moisture resistant melamine faced 730kg/m³ density chipboard.

Underpanels: 17mm thick WBP plywood, faced on both sides with high pressure laminate creating an overall thickness of 19mm. All horizontal edges post formed, vertical edges sealed with matching laminate.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to vanity unit, unless stated otherwise, all factory assembled.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/550 vanity basin/pre-plumbed unit

Vanity top as clause 520: Vanity basin, taps & waste factory fitted and sealed to the vanity top by Armitage Venesta unless stated.

Wash basin: Armitage Shanks S244101 Profile 505mm vitreous china semi-inset vanity basin with one central tap hole and overflow.

Taps: Armitage Shanks S7316AA Avon chrome plated single control self closing monoblock mixer with flexible hose inlets, combined flow regulators with filters, inlets screwed 3/8" BSP female. No pop-up waste.

Please note: this tap requires a minimum of 1 bar pressure to operate correctly.

Waste: Armitage Shanks S8733AA 32mm slotted waste with swivel plug.

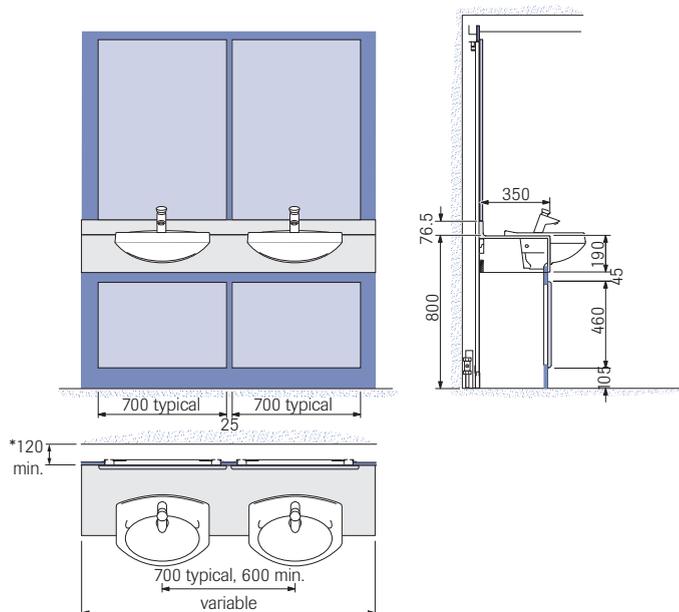
Trap: Armitage Shanks S8911 32mm plastic re-sealing bottle trap with 75mm seal (Marley Monitor anti-syphon bottle trap).

Sealing: Joint between basin and vanity top sealed with white silicone sealant by Armitage Venesta.

Alternatives

Panels

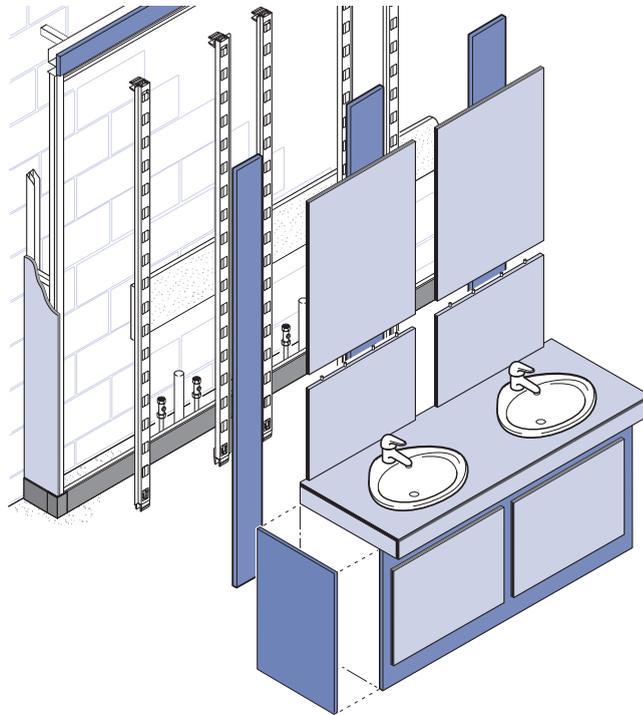
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.



*Note: Can be a Wall Lining System with services under vanity see Plain Panels page 29.

Compact C1 vanity unit

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Fully inset basin
- Compact laminate top
- Water resistant panels



Pre-plumbed Compact C1 vanity unit available in variable panel widths and heights to suit customer requirements.

Typical NBS Specification N13 sanitary appliances/fitings

N13/520 pre-plumbed vanity unit

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL Telephone 01474 353333

'C1' profile vanity unit

Top: 13mm thick compact laminate, all edges radiused and polished. Top comprises 555mm overall width bed with 100mm front downstand, 800mm overall height from FFL to top of bed. Top reinforced with 17mm thick moisture resistant chipboard divisions with 38 x 75 mm WROT softwood back rail all framed together including 18 x 18 x 75 mm softwood corner blocks, glued and screwed.

Underframe: 13mm thick compact laminate, all edges radiused and polished.

Underpanels: 13mm thick compact laminate.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to vanity unit, unless stated otherwise, all factory assembled.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/550 vanity basin/pre-plumbed unit

Vanity top as clause 520: Vanity basin, taps & waste factory fitted and sealed to the vanity top by Armitage Venesta unless stated.

Wash basin: Armitage Shanks S255101 Orbit 570mm inset basin with single central tap hole & overflow.

Taps: Ideal Standard A1395AA Tratto chrome plated single lever monoblock mixer with pop-up waste.

Waste: Pop-up waste included with tap.

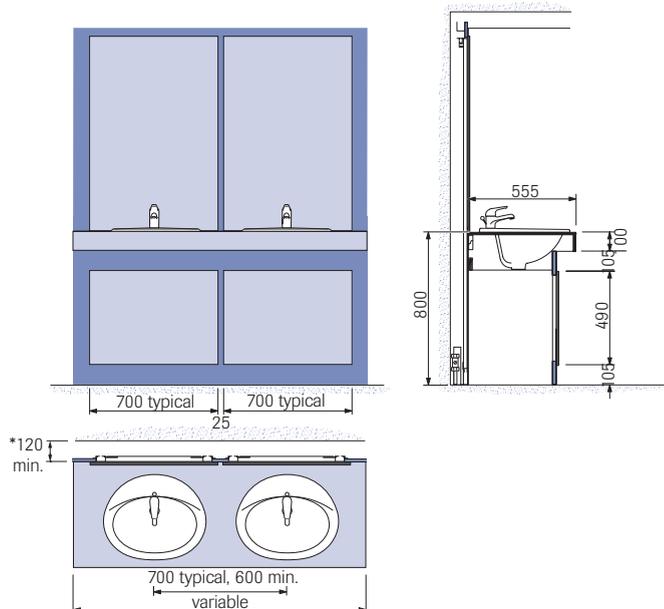
Trap: Armitage Shanks S8920 32mm plastic re-sealing bottle trap with 75mm seal.

Sealing: Joint between basin and vanity top sealed with white silicone sealant by Armitage Venesta.

Alternatives

Panels

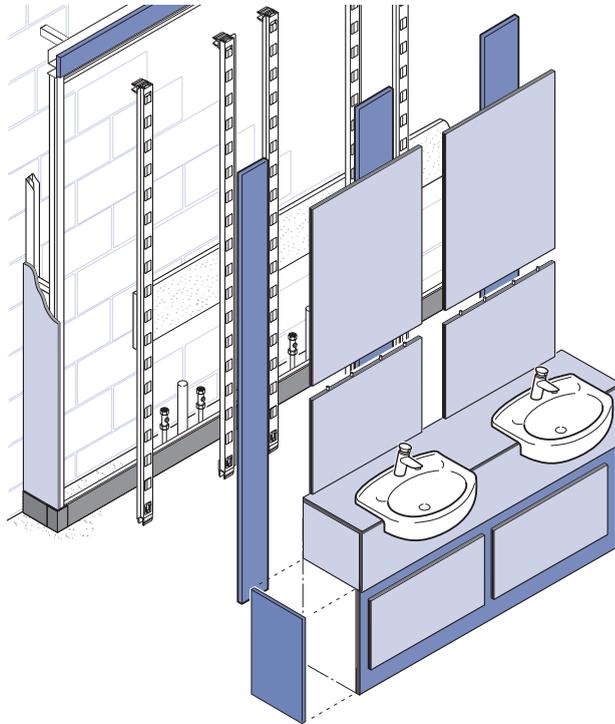
- 19mm o/a thickness, high pressure laminate-faced V313 moisture resistant chipboard core, for heavier usage.
- 19mm o/a thickness Melamine Faced Chipboard (mfc) for dry and light use.



***Note:** Can be a Wall Lining System with services under vanity see Plain Panels page 29.

Compact C2 vanity unit

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Semi-countertop basin
- Compact laminate top
- Water resistant panels



Pre-plumbed Compact C2 vanity unit available in variable panel widths and heights to suit customer requirements.

Typical NBS Specification N13 sanitary appliances/fitings

N13/520 pre-plumbed vanity unit

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL Telephone 01474 353333

'C2' profile vanity unit

Top: 13mm thick compact laminate, all edges radiused and polished. Top comprises 350mm overall width bed with 300mm front downstand, 800mm overall height from FFL to top of bed. Top reinforced with 17mm thick moisture resistant chipboard divisions with 38 x 75 mm WROT softwood back rail all framed together including 18 x 18 x 75 mm softwood corner blocks, glued and screwed.

Underframe: 13mm thick compact laminate, all edges radiused and polished.

Underpanels: 13mm thick compact laminate.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to vanity unit, unless stated otherwise, all factory assembled.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/550 vanity basin/pre-plumbed unit

Vanity top as clause 520: Vanity basin, taps & waste factory fitted and sealed to the vanity top by Armitage Venesta unless stated.

Wash basin: Armitage Shanks S244101 Profile 505mm vitreous china semi-inset vanity basin with one central tap hole and overflow.

Taps: Armitage Shanks S7316AA Avon chrome plated single control self closing monoblock mixer with flexible hose inlets, combined flow regulators with filters, inlets screwed 3/8" BSP female. No pop-up waste.

Please note: this tap requires a minimum of 1 bar pressure to operate correctly.

Waste: Armitage Shanks S8733AA 32mm slotted waste with swivel plug.

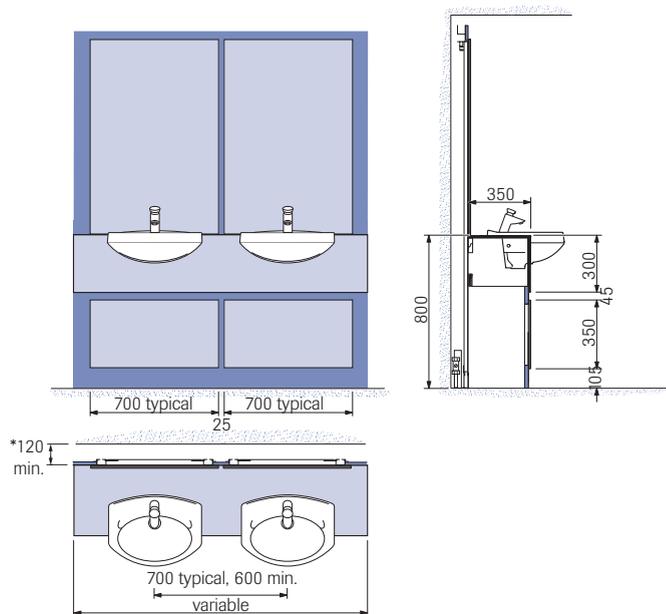
Trap: Armitage Shanks S8911 32mm plastic re-sealing bottle trap with 75mm seal (Marley Monitor anti-syphon bottle trap).

Sealing: Joint between basin and vanity top sealed with white silicone sealant by Armitage Venesta.

Alternatives

Panels

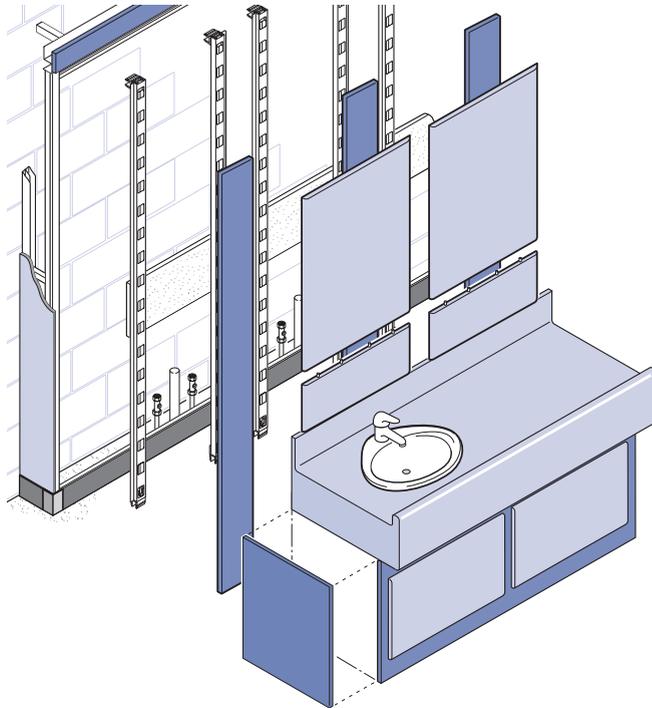
- 19mm o/a thickness WBP plywood, faced on both sides with high pressure laminate
- 13mm o/a thickness Solid Grade Laminate for wet and heavy use.



***Note:** Can be a Wall Lining System with services under vanity see Plain Panels page 29.

Baby change unit

- Pre-plumbed unit
- IPS *Evolve* metal framework
- Inset vanity basin
- Continuous post-formed laminate top



Pre-plumbed Baby Change unit available in variable panel widths and heights to suit customer requirements.

Typical NBS Specification N13 sanitary appliances/fittings

N13/520 pre-plumbed vanity unit

Manufacturer and Reference: Armitage Venesta Washroom Systems, Chartwell Court, West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL Telephone 01474 353333

'IPS Baby Change' vanity unit

Top: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall thickness of 19mm. Top comprises 600mm overall width bed with post-formed 75mm front upstand, 200mm front downstand and 155mm rear upstand, 800mm overall height from FFL to top of bed. Top reinforced with 17mm thick moisture resistant chipboard divisions and ends with 38 x 75 mm WROT softwood back rail all framed together including 18 x 18 x 75 mm softwood corner blocks, glued and screwed.

Underframe: 19mm moisture resistant melamine faced 730kg/m³ density chipboard.

Underpanels: 17mm thick V313 moisture resistant 680kg/m³ grade chipboard, faced on both sides with high pressure laminate creating an overall thickness of 19mm. All horizontal edges post formed, vertical edges sealed with matching laminate.

Pre-plumbing: Sanitary appliances pre-fixed and sealed to IPS *Evolve* unit, unless stated otherwise, all factory assembled.

Colours: Refer to Armitage Venesta for standard laminate colour range.

N13/550 vanity basin/pre-plumbed unit

Vanity top as clause 520: Vanity basin, taps & waste factory fitted and sealed to the vanity top by Armitage Venesta unless stated.

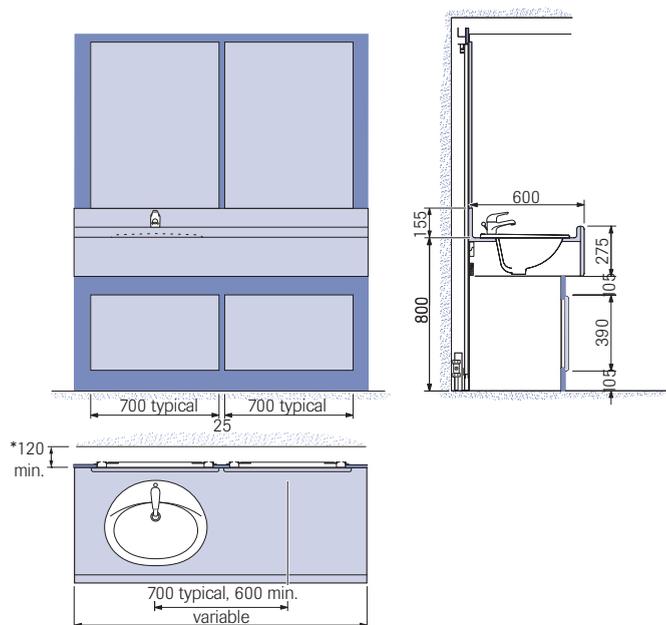
Wash basin: Armitage Shanks S255101 Orbit 570mm inset basin with single central tap hole & overflow.

Taps: Ideal Standard A1395AA Tratto chrome plated single lever monoblock mixer with pop-up waste.

Waste: Pop-up waste included with tap.

Trap: Armitage Shanks S8920 32mm plastic re-sealing bottle trap with 75mm seal.

Sealing: Joint between basin and vanity top sealed with white silicone sealant by Armitage Venesta.



***Note:** Can be a Wall Lining System with services under vanity see Plain Panels page 29.