

Draft 1: 14 Dec 16

Draft Specification awaiting review

Note to reviewers and viewers:

Red text or underline: is usually a question:

Is the information correct?

I have found reference to it but no supporting evidence if it is relevant or not

can you provide correct information?

or should it be removed?

~~Red and struck through text is from Thrii hand wash dryer materials and finish information~~

~~Is it the same material and finish?~~

~~This information may or may not apply here?~~

~~Please advise if it does~~

Blue Text or underline: Usually optional information

To be edited by the project specifier

Some times to be added to, chosen from or deleted, if not relevant to the job

Green text: a note to me to edit in the next iteration or next product specification

Blue underlined text: Usually a hyperlink

Please provide feedback to Brian Murphy to update until completion

## **N13 SANITARY APPLIANCES/FITTINGS**

To be read with Preliminaries A10-A55/General Conditions

- 8 BSI CEN ISO DOCUMENTS:  
BS 476: :Fire tests on building materials and structures.  
BS 476-6:1989+A1:2009 Method of test for fire propagation for products  
BS 476:Part 7:1997 Method of test to determine the classification of the surface spread of flame of products  
BS EN 997:Date>Title?  
BS EN ISO 19712: :Plastics-Decorative solid surfacing materials  
BS EN ISO 19712-1:2007:Solid surface shape products  
BS EN ISO 19712-3:2013:Plastics-Decorative solid surfacing materials
- 9 OTHER DOCUMENTS:  
NFF 16101:Date>Title? Toxicity and Smoke.

For NBS Create:

### **45-35-70 SANITARY APPLIANCES AND FITTINGS**

384 WC PANS (clause numbers to change to fit)

For NBS Building:

### **N13 SANITARY APPLIANCES AND FITTINGS**

300 WCS AND CISTERNS

~~300 WCS AND CISTERNS~~

~~To the DETR WC suite performance specification  
or equivalent approved by the relevant water undertaker.~~

Type: [\_\_\_\_\_]

Pan: [\_\_\_\_\_]

Pan connector: [\_\_\_\_\_]

Seat: [\_\_\_\_\_]

Seat connectors: [\_\_\_\_\_]

Flushing arrangement: [\_\_\_\_\_]

Flush volume: [\_\_\_\_\_] litres (low to BS EN 997)

Other accessories: [\_\_\_\_\_]

Manufacturer: [\_\_\_\_\_]

Product Reference: [\_\_\_\_\_]

Fixing: [\_\_\_\_\_]

Sealing: [\_\_\_\_\_]

302A LOW-FLUSH ANTI-VANDAL WCS **AND CISTERNS:**

To the DETR WC suite performance specification  
or equivalent approved by the relevant water undertaker.

Appearance: Domestic

Finish Performance Classifications:

Durability: High vandal-resistant

- ISO EN 19712-3:2007 – Rated 5 for durability, stain resistance and cigarette burns.
- Except for section 5 regarding surface defects, Wallgate substitutes it's own Aesthetic Quality Standard which is more relevant to the complex products that Wallgate manufactures, and is available on request

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- BS EN ISO 19712-3 Test report: \_\_\_\_\_)

Life expectancy: 25 years plus

- Life expectancy evidence: [\_\_\_\_\_]

Fire Performance:

- BS 476:Pt 6 fire propagation Class '0' & BS 476:Pt 7 surface spread of flame Class '1'
- NFF 16101 – Class 'FO' Toxicity and Smoke.
- (Test reports \_\_\_\_ & \_\_\_\_)

~~Tested to:~~

~~BS 6853: 1999 Category 1b (test report: 194238)~~

~~BS EN ISO 179-1 Impact test: (Test certificate: M3933/5023/11)~~

~~BS EN ISO 180 Impact strength test: (Test certificate: M3933/5023/11)~~

~~BS EN ISO 846 Fungal Resistance Test (test report: 74745)~~

~~ISO 22196: Anti-Bacterial Test (test report 74745)~~

~~3<sup>rd</sup> Party evaluation: against: BREEAM 2011 New Construction Technical Guide Issue 2~~

~~\_\_\_\_\_ Criteria judged against~~

~~\_\_\_\_\_ BREEAM Wat04 Water Efficient Equipment~~

~~\_\_\_\_\_ Results: See report~~

~~\_\_\_\_\_ Report file name: \_\_\_\_\_ assessment test report date.pdf~~

~~\_\_\_\_\_ Enhanced Capital Allowance scheme~~

~~\_\_\_\_\_ Water Technology List (WTL)~~

~~\_\_\_\_\_ Government Buying Standard~~

~~\_\_\_\_\_ Green Tick Buying Solutions website~~

Material: high quality solid surface composite,

Body:

~~Solid surface: pre-accelerated low colour isophthalic unsaturated polyester resin.~~

~~Silane coated aluminium trihydrate without gel coated surface.~~

Finish: Solid Surface: Polished to a gloss finish

Gloss level: Average is 60 GU but it is dependent on colour.

Pan: floor-mounted, back-to-wall

Colour: [

- MA Thames granite effect
- MAH Frost granite effect.
- MAT Nougat granite effect.
- MAW White.
- MC Bluestone granite effect.
- MO Slate granite effect.
- MR Isabelle granite effect.
- MS Hyco granite effect.
- MV Sandstone granite effect].

Pan connector: [\_\_\_\_\_]

Seat and lid: Conventional

Seat colour: [Black/Grey/other]

Seat and lid connectors: unique seat and lid fixing method to combat vandalism

Flushing arrangement: high security, anti-vandal

Cisterns: to N13/315A

Flush volume: [\_\_\_\_\_] litres (low to BS EN 997)

Controls: [

- None
- Infra-red sensor
- Manual push button flush control
- Pneumatic push button flush control
- Stainless steel touch button flush control].

Manufacturer: Wallgate Ltd. Crow Lane, Wilton, Salisbury, Wiltshire SP2 0HB

T 0044 (0)1722 744594 F 0044 (0)1722 742096

E [sales@wallgate.com](mailto:sales@wallgate.com) W [www.wallgate.com](http://www.wallgate.com)

Product reference: CWC 80/80ST/81 Anti Vandal WC Pan

Model number: [

- CWC 80 Without seat.
- CWC 80EXT With extension piece.
- CWC 80/ TS001 With conventional grey toilet seat with lid.

Substrate: [

- Wall: \_\_\_\_\_
- Floor: \_\_\_\_\_]

Fixings: unique wall fixing method to combat vandalism.

Sealant: silicone based to BS 5889, Type B with fungicide.

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Manufacturer: [ \_\_\_\_\_ ]  
Product reference: [ \_\_\_\_\_ ]  
Colour: [ \_\_\_\_\_ ]  
Application: As section Z22.

304A INTEGRAL-SEAT LOW-FLUSH ANTI-VANDAL WCS: ~~AND CISTERNS~~

To the DETR WC suite performance specification  
or equivalent approved by the relevant water undertaker.

Appearance: Domestic

Appearance: Domestic

Finish Performance Classifications:

Durability: High vandal-resistant

- ISO EN 19712-3:2007 – Rated 5 for durability, stain resistance and cigarette burns.
- Except for section 5 regarding surface defects, Wallgate substitutes it's own Aesthetic Quality Standard which is more relevant to the complex products that Wallgate manufactures, and is available on request
- BS EN ISO 19712-3 Test report: \_\_\_\_\_)

Life expectancy: 25 years plus

- Life expectancy evidence: [ \_\_\_\_\_ ]

Fire Performance:

- BS 476:Pt 6 fire propagation Class '0' & BS 476:Pt 7 surface spread of flame Class '1'
- NFF 16101 – Class 'FO' Toxicity and Smoke.
- (Test reports \_\_\_\_\_ & \_\_\_\_\_)

~~Tested to:~~

~~BS 6853: 1999 Category 1b (test report: 194238)~~

~~BS EN ISO 179-1 Impact test: (Test certificate: M3933/5023/11)~~

~~BS EN ISO 180 Impact strength test: (Test certificate: M3933/5023/11)~~

~~BS EN ISO 846 Fungal Resistance Test (test report: 74745)~~

~~ISO 22196: Anti-Bacterial Test (test report 74745)~~

~~3<sup>rd</sup> Party evaluation: against: BREEAM 2011 New Construction Technical Guide Issue 2~~

~~\_\_\_\_\_ Criteria judged against~~

~~\_\_\_\_\_ BREEAM Wat04 Water Efficient Equipment~~

~~\_\_\_\_\_ Results: See report~~

~~\_\_\_\_\_ Report file name: \_\_\_\_\_ assessment test report date.pdf~~

~~\_\_\_\_\_ Enhanced Capital Allowance scheme~~

~~\_\_\_\_\_ Water Technology List (WTL)~~

~~\_\_\_\_\_ Government Buying Standard~~

~~\_\_\_\_\_ Green Tick Buying Solutions website~~

Material: high quality solid surface composite,

Body:

~~Solid surface: pre-accelerated low colour isophthalic unsaturated polyester resin.~~

~~Silane coated aluminium trihydrate without gel coated surface.~~

~~Finish: Solid Surface: Polished to a gloss finish~~

~~Gloss level: Average is 60 GU but it is dependent on colour.~~

Colour: [

- MA Thames granite effect
- MAH Frost granite effect.
- MAT Nougat granite effect.
- MAW White.
- MC Bluestone granite effect.
- MO Slate granite effect.
- MR Isabelle granite effect.
- MS Hyco granite effect.
- MV Sandstone granite effect].

Pan: floor-mounted, back-to-wall, integral-seat:

Pan connector: [ \_\_\_\_\_ ]

Seat: integral solid surface seat

Flushing arrangement: high security, anti-vandal

Cisterns: to N13/315A

Flush volume: [ \_\_\_\_\_ ] litres (low to BS EN 997)

Controls: [

- None
- Infra-red sensor
- Manual push button flush control
- Pneumatic push button flush control
- Stainless steel touch button flush control].

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Product reference: CWC 80/80ST/81 Anti Vandal WC Pan

Model number: CWC 80ST With permanently fixed solid surface toilet seat.

Substrate: [

- Wall: \_\_\_\_\_
- Floor: \_\_\_\_\_ ]

Fixings: unique wall fixing method to combat vandalism.

Sealant: silicone based to BS 5889, Type B with fungicide.

Manufacturer: [ \_\_\_\_\_ ]

Product reference: [ \_\_\_\_\_ ]

Colour: [ \_\_\_\_\_ ]

Application: As section Z22.

310A DISABLED-SIZED LOW-FLUSH ANTI-VANDAL WCS: ~~AND CISTERN~~

~~To the DETR WC suite performance specification or equivalent approved by the relevant water undertaker.~~

~~Appearance: Public washrooms~~

~~Building Regulations (E&W) Approved Document M~~

- ~~• Disabled height~~
- ~~• Rear extension full length compliant WC~~

~~Finish Performance Classifications:~~

~~Durability: High vandal-resistant~~

- ~~• ISO EN 19712-3:2007 – Rated 5 for durability, stain resistance and cigarette burns.~~
- ~~• Except for section 5 regarding surface defects, Wallgate substitutes it's own Aesthetic Quality Standard which is more relevant to the complex products that Wallgate manufactures, and is available on request~~
- ~~• BS EN ISO 19712-3 Test report: \_\_\_\_\_)~~

~~Life expectancy: 25 years plus~~

- ~~• Life expectancy evidence: [ \_\_\_\_\_ ]~~

~~Fire Performance:~~

- ~~• BS 476:Pt 6 fire propagation Class '0' & BS 476:Pt 7 surface spread of flame Class '1'~~
- ~~• NFF 16101 – Class 'FO' Toxicity and Smoke.~~
- ~~• (Test reports \_\_\_\_\_ & \_\_\_\_\_)~~

~~Tested to:~~

~~BS 6853: 1999 Category 1b (test report: 194238)~~

~~BS EN ISO 179-1 Impact test: (Test certificate: M3933/5023/11)~~

~~BS EN ISO 180 Impact strength test: (Test certificate: M3933/5023/11)~~

~~BS EN ISO 846 Fungal Resistance Test (test report: 74745)~~

~~ISO 22196: Anti-Bacterial Test (test report 74745)~~

~~3<sup>rd</sup> Party evaluation: against: BREEAM 2011 New Construction Technical Guide Issue 2~~

~~\_\_\_\_\_ Criteria judged against~~

~~\_\_\_\_\_ BREEAM Wat04 Water Efficient Equipment~~

~~\_\_\_\_\_ Results: See report~~

~~\_\_\_\_\_ Report file name: \_\_\_\_\_ assessment test report date.pdf~~

~~\_\_\_\_\_ Enhanced Capital Allowance scheme~~

~~\_\_\_\_\_ Water Technology List (WTL)~~

~~\_\_\_\_\_ Government Buying Standard~~

~~\_\_\_\_\_ Green Tick Buying Solutions website~~

~~Material: high quality solid surface composite,~~

~~Body:~~

~~Solid surface: pre-accelerated low colour isophthalic unsaturated polyester resin.~~

~~Silane coated aluminium trihydrate without gel coated surface.~~

~~Finish: Solid Surface: Polished to a gloss finish~~

~~Gloss level: Average is 60 GU but it is dependent on colour.~~

~~Pan: floor-mounted, back-to-wall-extension~~

~~Pan and extensions material: high quality solid surface composite,~~

~~Colour: [~~

- ~~• MA Thames granite effect~~
- ~~• MAH Frost granite effect.~~
- ~~• MAT Nougat granite effect.~~
- ~~• MAW White.~~
- ~~• MC Bluestone granite effect.~~
- ~~• MO Slate granite effect.~~
- ~~• MR Isabelle granite effect.~~

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- MS Hyco granite effect.
- MV Sandstone granite effect].

Pan connector: [\_\_\_\_\_]

Seat: Disabled seat

Colour: [White/other]

Seat connectors: unique seat fixing method to combat vandalism

Flushing arrangement: high security, anti-vandal

Cisterns: to N13/315A

Flush volume: [\_\_\_\_\_] litres (low to BS EN 997)

Controls: [

- None
- Infra-red sensor
- Manual push button flush control
- Pneumatic push button flush control
- Stainless steel touch button flush control].

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Product reference: CWC 80/80ST/81 Anti Vandal WC Pan

Model number: [

- CWC 81 Disabled toilet
- CWC 81/ TS0004 Disabled toilet with disabled white seat.
- CWC 81Ext With extension piece].

Substrate: [

- Wall: \_\_\_\_\_
- Floor: \_\_\_\_\_]

Fixings: unique wall fixing method to combat vandalism.

Sealant: silicone based to BS 5889, Type B with fungicide.

Manufacturer: [\_\_\_\_\_]

Product reference: [\_\_\_\_\_]

Colour: [\_\_\_\_\_]

Application: As section Z22.

315A LOW-FLUSH CONCEALED CISTERNS:  
[To the DETR WC suite performance specification](#)  
[or equivalent approved by the relevant water undertaker.](#)

WC pan: to [N13/302, N13/304 N13/310].

Flush pipe: [\_\_\_\_\_]

Flush volume: [\_\_\_\_\_] litres (low to BS EN 997)

Flushing arrangement: high security, anti-vandal

Controls: [

- None
- Infra-red sensor
- Manual push button flush control
- Pneumatic push button flush control
- Stainless steel touch button flush control].

Manufacturer: Wallgate Ltd. Crow Lane, Wilton, Salisbury, Wiltshire SP2 0HB

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E [sales@wallgate.com](mailto:sales@wallgate.com) W [www.wallgate.com](http://www.wallgate.com)

Product reference: [\_\_\_\_\_]

Model number: [\_\_\_\_\_]

Materials: [\_\_\_\_\_]

Overflow: [\_\_\_\_\_]

Substrate: Wall: [\_\_\_\_\_]

Fixings: [\_\_\_\_\_]

Fastenings: [\_\_\_\_\_]

**NB: NOTES ON EDITING SPECIFICATIONS:**

Use as guidance, a standalone appendix or merge into work section.  
 Delete all of the Information on this and other pages of guidance notes, excluding the page break above, down to the end of **revision schedule** when adding this work section or clauses to a project specification or purchase order.  
 Edit the clauses by selecting the clauses required, deleting any not required, by editing the [blue text which often describes options available] within square brackets to suit the project; or edit the specification to suit the procurement method.  
 Remove all square brackets using search for [ and replace with nothing and search for ] and replace with nothing.  
 Replace blue text with black text by selecting all and choosing auto or black colour text.  
 There are clauses in Red text in the Specification these are examples of project specific versions of the generic clauses that are included for guidance and are likely to be deleted or edited if they are useful to the project.  
 Remove any grey tone by selecting all text, and select Format > Borders and Shading > Shading > No fill > Okay.

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**REV Revisions**

Revision No.	Description	Author	Date
A00	Extracted NBS website specification and guidance	BRM	13/12/16
A00	Extract N13 from NBS base text for clause content guidance	BRM	13/12/16
A01	Edited to NBS format and GBE Robust Specification level of detail	BRM	13/12/16
A01	Additional information from Walgate WC literature	BRM	14/12/16
A01	Added materials, finish and performance information <del>in struck through red text</del>	BRM	14/12/16
A01	Deleted GBE header Added part T&C from Thrii spec added review notes re struck through text	BRM	14/12/16
	Pending		
A01	Review by CA and W Ltd.	BRM	14/12/16