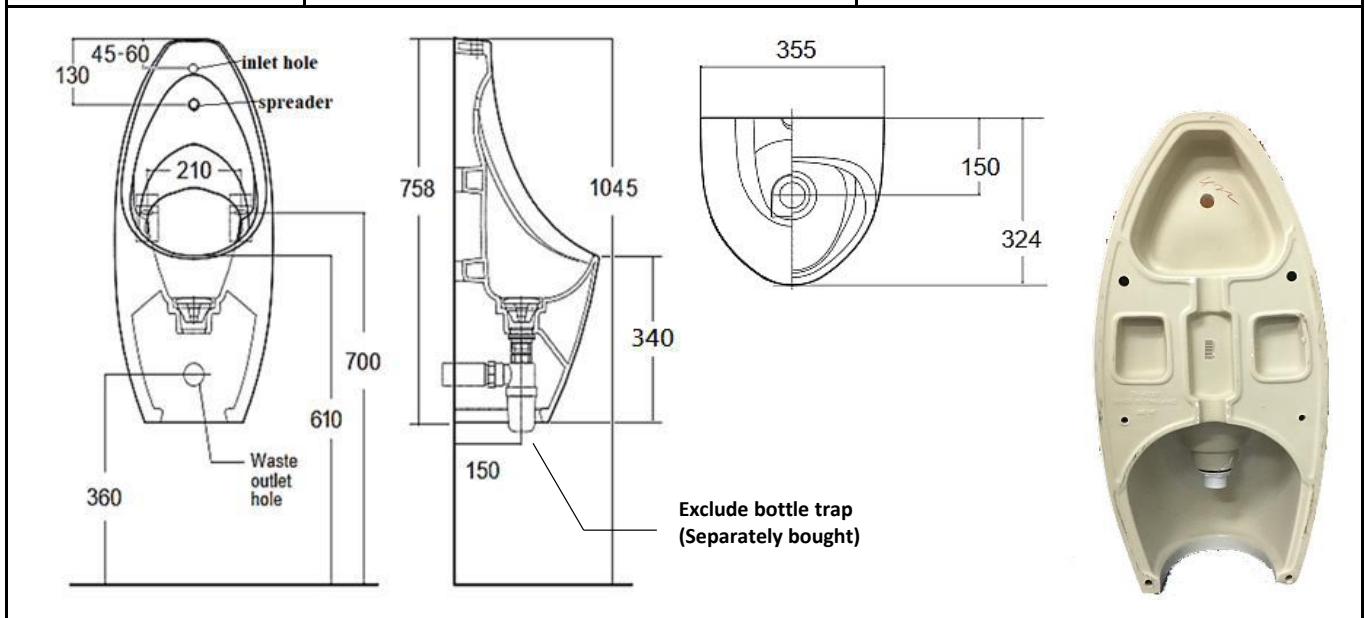




PROJECT		REF		REV	ITEM CODE	
LOCATION		DATE			CODE	

## SANITARY WARE SPECIFICATION SHEET

Item Descriptions	<p>American Standard (Thailand) "Contour" Vitreous china <b>wall hung</b> back inlet urinal bowl tested on BS5520:1977, BSEN13407:2015, BS3402:1969, HTM64:2006, BS3402 &amp; BSEN274-1:2002; test report J27032A, J27032B, J27032C &amp; J27032D; Water flush volume <b>1.5 litres/cycle</b> in WELS <b>Grade 1</b> ; Registration No. 1U 20-0004</p>	<p style="text-align: center;">Illustration/ Drawing</p>
Dimensions	L324 x W355 x H758 mm	
Model	TF6727B	
Material / Colour	Vitreous China / White	
Manufacturer	American Standard (Thailand)	
Source	Acme Sanitary Ware Co. Ltd Mr. Eric Wong/ Mr. Don Yuen	
Contact Tel/Fax	(852) 2388-7171 / (852) 2710-8012	
E-mail	acme@acmesanitary.com.hk	
Website	www.acmesanitary.com.hk	



**Note:**  
New Code : 6727B-WT (=TF6727B)

*\* All information of the above is for the reference only. No prior notice is made if any changes.*

註冊號碼 (Registration No.): 1U 20-0004



自願參與用水效益標籤計劃 - 小便器用具  
Voluntary Water Efficiency Labelling Scheme - Urinal Equipment



(6727B-WT=TF6727B)



茲證明

This is to certify that

將下列小便器用具在本計劃內註冊：  
has registered the following urinal equipment under this scheme:

牌子 / Brand	:	American Standard
型號 / Model	:	6727B-WT
種類 / Category	:	1
原產地 / Country or Region Origin	:	Thailand

在用水效益標籤上展示的標誌 <i>Symbolic Presentation on the Water Efficiency Label</i>	:		滴水點 <i>Water droplet(s)</i>
用水效益級別 <i>Water Efficiency Grade</i>	:	1	
沖水量 <i>Water Flush Volume</i>	:	1.5	公升/循環 <i>litres/cycle</i>

簽發日期：  
Date of Issue: 20 April 2020

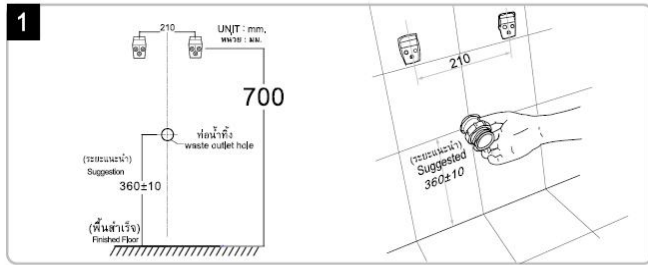
水務署  
Water Supplies Department



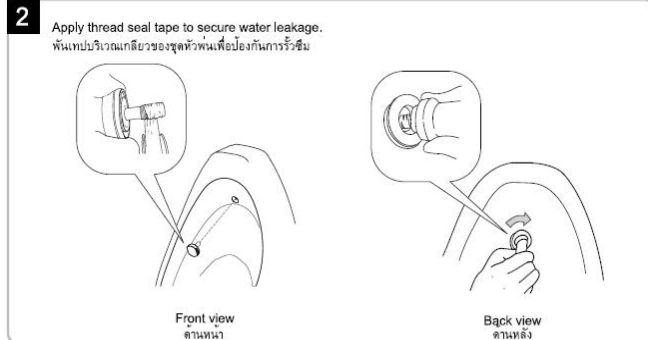
水務署署長(張業駒代行)  
for Director of Water Supplies

上述小便器用具具有智能功能，並且能達至額外節省用水。  
The above urinal equipment is operated with a smart demand operation to achieve additional water saving.

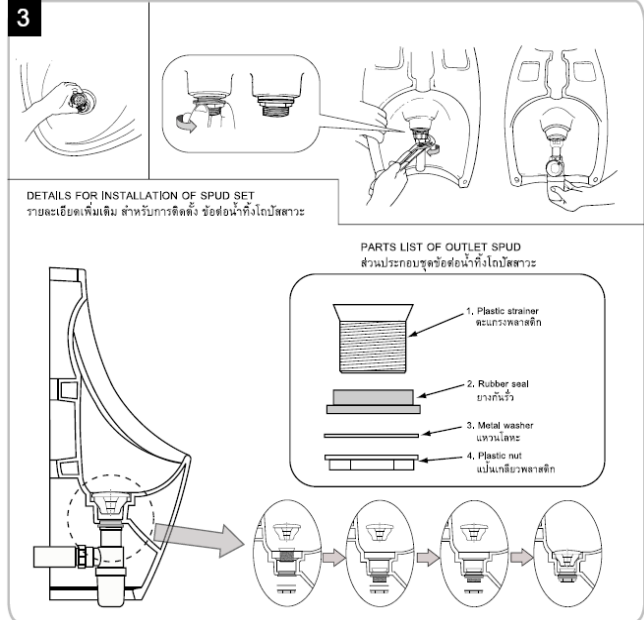
**PREPARATION THE AREA / เตรียมพื้นที่**



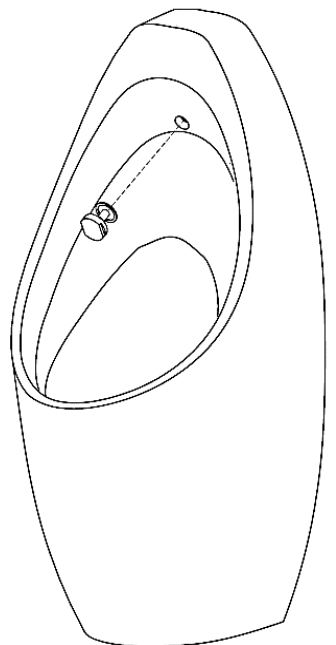
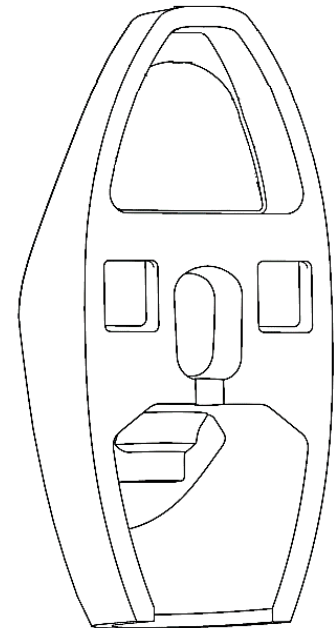
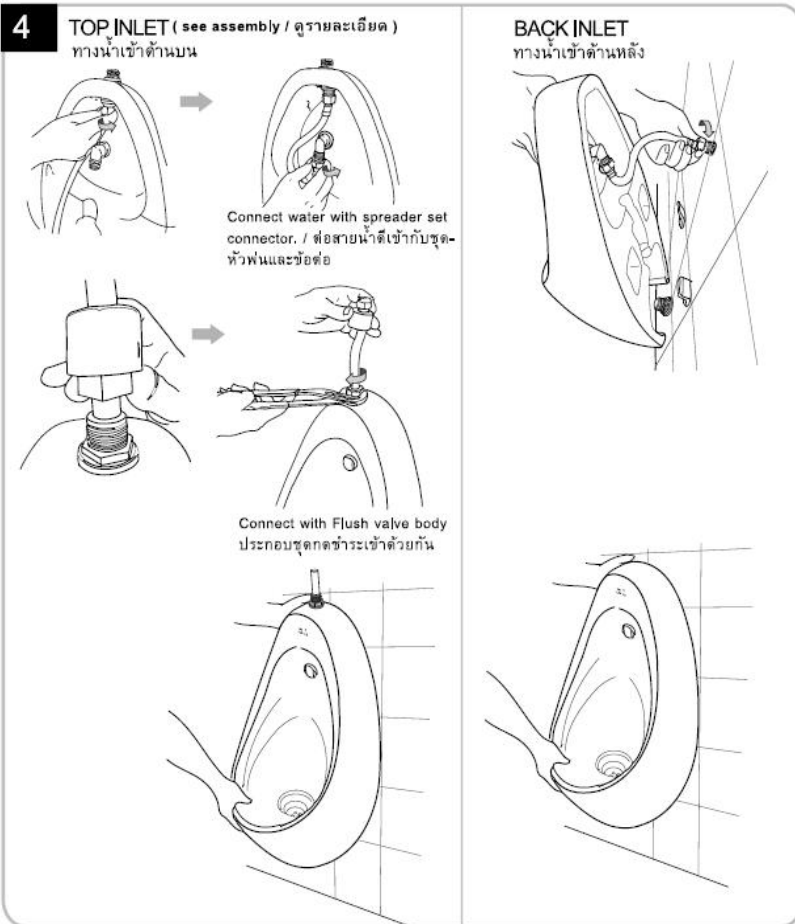
**SPREADER SET INSTALLATION / การติดตั้งชุดหัวพ่นน้ำ**



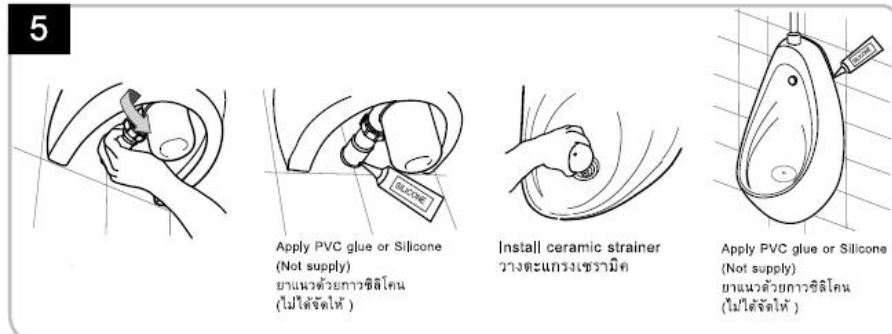
**SPUD SET AND BOTTOM TRAP INSTALLATION / การติดตั้งชุดท่อน้ำทิ้งโถส้วม**



**BACK INLET AND TOP INLET INSTALLATION**



**WASTE PIPE INSTALLATION**



## Test Report

### Test

Title : Testing of Vitreous china bowl urinals (rimless type)  
 Method : BS 5520: 1977  
 Report No. : J 27032A  
 Completion : 17 Sep., 2021

### Applicant

Name :  
 Address :



### Sample (Information below provided by client)

Brand : AMERICAN STANDARD  
 Model : 6727-WT & 6727B-WT  
 Body marking : *American Standard*  
 Manufacturer : LIXIL (THAILAND) Public Co. Ltd  
 Origin : Thailand  
 Description : wall hung urinal (Top & Back Inlet)

### Approved Signatory

Signature : *Az*

Name (title) : Chung Siu Yu, Alan (Engineer)  
 Date : 05 Oct., 2021

Nutek Systems is a testing agency, accepted by the Water Supplies Department, for testing water supply fittings.

REPORT NO.: J 27032A

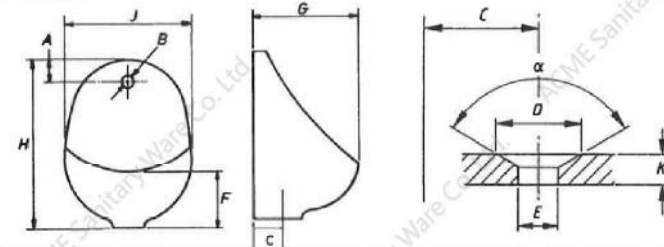
## Summary

Test	Remark
Dimensions	As shown in section 1.

## Results (apply only to samples tested)

### 1 Dimensions

BS 5520: 1977



Variable	Denote	Unit	Measured
Dimensions from top of bowl to centre of water supply hole or spreader	A	mm	127.0
Diameter of water supply hole (when provided)	B		21.0
Centre of waste outlet from back of bowl	C		140.0
Dimension of outlet of the waste flange	D		93.0
Diameter of waste outlet	E		51.3
Distance from underside of waste outlet to lowest point of rim	F		328.0
Overall projection of bowl from back surface	G		326.0
Distance from underside of waste outlet to top of bowl	H		765.5
Width of bowl at widest point	J		366.0
Depth of waste outlet	K		65.0



## Test Report

### Test

Title : Testing of wall hung Urinal bowl  
Method : BS EN 13407: 2015  
Report No. : J 27032B  
Completion : 12 Jul., 2022 to 28 Jul., 2022

### Applicant (Information below provided by client)

Name :  
Address :



### Sample (Information below provided by client)

Brand : AMERICAN STANDARD  
Model : 6727-WT & 6727B-WT  
Body marking :

*American Standard*

Manufacturer : LIXIL (THAILAND) Public Co. Ltd  
Origin : Thailand  
Description : wall hung urinal (Top & Back Inlet)

### Approved Signatory

Signature :   
Name (title) : Chung Su Yu, Alan (Engineer)  
Date : 26 Sep., 2022

Nutek Systems is a testing agency, accepted by the Water Supplies Department, for testing water supply fittings.

REPORT NO.: J 27032B

## Summary

Test	Remark
1 Flushing volume and flow rate	C
2 Depth of water seal	C
3 Wash of bowl	C
4 Oversplashing	C
5 Discharge	C
6 Water Absorption	C

## Results (apply only to samples tested)

### 1 Flushing volume and flow rate

BS EN 13407: 2015 Cl. 4.2

Type	Variable	Unit	Measured	Required	Remark
II	Flushing volume	l	1.50	> 0.5, ≤ 5.0	C
	Flow rate	l/s	0.2	0.2 +0.2/-0.1	C
Overall result					C

### 2 Depth of water seal

BS EN 13407: 2015 Cl. 6.1

ID	Variable	Unit	Measured	Required	Remark
1	Depth of water seal	mm	54.0	≥ 50	C
Overall result					C

### 3 Wash of bowl

BS EN 13407: 2015 Cl. 6.2.1

ID	Variable	Unit	Measured	Required	Remark
1	1st flushing operation	mm <sup>2</sup>	0.0	---	---
	2nd flushing operation		0.0	---	---
	3rd flushing operation		0.0	---	---
	4th flushing operation		0.0	---	---
	5th flushing operation		0.0	---	---
Average			0.0	≤ 80	C
Overall result					C



REPORT NO.: J 27032B

Signed:   
Wong Yee Ling  
Date: 2022-9-26

**4 Oversplashing**

BS EN 13407: 2015 Cl. 6.2.3

ID	Variable	Unit	Measured	Required	Remark
1	Splash beyond the edge of bowl and wet the floor	---	No	No	C
Overall result					C

**5 Discharge**

BS EN 13407: 2015 Cl. 6.2.4

ID	Variable	Unit	Measured	Required	Remark
1	Run over the rim of the bowl.	---	No	No	C
Overall result					C

**6 Water Absorption**

BS EN 13407: 2015 Cl. 6.3

ID	Weight (kg)		Absorption (%)	Required	Remark
	Before Test	After Test			
Sample 1	33.9	34.0	0.29	1.00% max.	C
Sample 2	34.2	34.3	0.29		C
Sample 3	27.4	27.5	0.36		C
Average			0.32	0.75% max.	C
Overall result					C



REPORT NO.: J 27032B

Signed:   
Wong Yee Ling  
Date: 2022-9-26

Figure 1 - Sample



Figure 2 - Body Marking



I certify this to be a true copy of the original document.

Signed:   
Wong Yee Ling  
Date: 2022-9-26

REPORT NO.: J 27032B

### General Note(s)

#### Definitions:

- C - conformance
- N - no requirement
- NC - non-conformance
- R - remainder

#### Organizations:

- WSD - Water Supplies Department (of Hong Kong)
- WHO - World Health Organization



- End of report -

I certify this to be a true copy of the original document.

Signed:   
Wong Yee Ling  
Date: 2022-11-9

## Test Report

#### Test

Title: Testing of Urinal  
Method: BS 3402: 1969  
Report No.: J 27032C  
Completion: 26 Jul., 2022 to 22 Aug., 2022

#### Applicant (Information provided by client)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

#### Sample (Information provided by client)

Description: Wall Hung Urinal (Top & Back Inlet)

Brand: AMERICAN STANDARD  
Model: 6727-WT & 6727B-WT

Body Marking: *American Standard*

Manufacturer: LIXIL (THAILAND) Public Co. Ltd  
Origin: Thailand

#### Approved Signatory

Signature:   
Name (title): Chung Siu Yu, Alan (Engineer)  
Date: 09 Nov. 2022

Nutek Systems is a testing agency, accepted by the Water Supplies Department, for testing water supply fittings.

### Summary

Test	Remark
1 Visual Examination	C
2 Water Absorption	C
3 Crazing	C
4 Chemical Resistance Test	C
5 Resistance to Staining and Burning	C

### Results (apply only to samples tested)

#### 1 Visual Examination

BS 3402: 1969 Cl. 5.1, 5.4 & Table 2

Location	Blemish or defect	Maximum permitted	Remark
General	Wavy finish	None on all visible surfaces	C
	Warpage	Not more than 6mm	C
	Discoloration	None on all visible surfaces	C
Flushing surface and horizontal face of rims of WC pans bidets and urinals	Spots, blister and pinholes	A total of not over three; no grouping; for coloured appliances, blister and pinhole limited to one.	C
	Bubbles and specks	Not over two in one pottery square; a total of not over four	C
	Polishing marks	One only; none permitted for coloured figures	C
Visible surfaces other than above	Spots, blisters and pinholes	A total of not over five; no grouping; for coloured appliances, no blisters are permitted and pinholes are limited to a total of two	C
	Bubbles and specks	Not over three in one pottery square; a total of not over ten	C
Overall result			C

#### 2 Water Absorption

BS 3402: 1969 Cl. 6

ID	Weight (g)		Absorption (%)	Required	Remark
	Before Test	After Test			
Sample 1	75.9	76.0	0.13		C
Sample 2	85.4	85.4	0.00	0.75% max.	C
Sample 3	83.2	83.3	0.12		C
Average			0.08	0.50% max.	C
Overall result					C



### 3 Crazing

BS 3402: 1969 Cl. 7

ID	Variable	Unit	Measured	Required	Remark
1	Saturated steam	MN/m <sup>2</sup>	0.34	0.33 - 0.35	C
	Duration	h	10	10	C
	Sample 1	---	No		C
	Sample 2	---	No	No	C
	Sample 3	---	No		C
Overall result					C

### 4 Chemical Resistance Test

BS 3402: 1969 Cl. 8

**Table 4 - Chemical solutions**

Name of Chemical	Strength of solution %	Time hours	Temperature °C
Acetic acid	10	16	100
Citric acid	10	16	100
Detergent (Note 1)	(Note 1)	48	60
Hydrochloric acid (Note 2)	(Note 2)	48	15 to 23
Sodium hydroxide	5	0.5	60
Sodium stearate	0.15	48	60
Sulphuric acid	5	16	100

NOTE 1: This consists of an aqueous solution containing 0.04 % (w/v) of a condensation product of monophenyl with 8-10 molecules of ethylene oxide. A suitable solution which contains 0.15% (w/v) of the product is obtainable commercially under the trade name "Licoapal 2".

NOTE 2: This solution consists of equal volumes of water and of hydrochloric acid of specific gravity 1.18.



ID	Solution	Time (h)	Temperature (°C)	Measured	Required	Remark
1	Acetic acid	16	100	No Loss		C
	Citric acid	16	100	No Loss		C
	Detergent	48	60	No Loss	No loss of reflectivity on glaze	C
	Hydrochloric acid	48	20	No Loss		C
	Sodium hydroxide	0.5	60	No Loss		C
	Sodium stearate	48	60	No Loss		C
	Sulphuric acid	16	100	No Loss		C
Overall result					C	

### 5 Resistance to Staining and Burning

BS 3402: 1969 Cl. 9

ID	Variable	Unit	Measured	Required	Remark
1	Methylene blue	---	No Stain		C
	Sodium hypochlorite	---	No Stain		C
	Hydrogen peroxide	---	No Stain	No stain remains	C
	Amyl acetate	---	No Stain		C
	Iodine in ethanol	---	No Stain		C
2	Lighted cigarette	---	No Stain		C
Overall result					C



REPORT NO.: J 27032C

Figure 1 - Sample



Figure 2 - Body Marking



REPORT NO.: J 27032C

### General Note(s)

#### Definitions:

- C - conformance
- N - no requirement
- NC - non-conformance
- R - remainder

#### Organizations:

- WSD - Water Supplies Department (of Hong Kong)
- WHO - World Health Organization



- End of report -

## Test Report

**Test**  
Title: Testing of Urinal  
Method: HTM 64: 2006; BS 3402 & BS EN 274-1: 2002  
Report No.: J 27032D  
Completion: 26 Jul, 2022 to 22 Aug, 2022

**Applicant** (Information provided by client)  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_



**Sample** (Information provided by client)  
Description: Wall Hung Urinal (Top & Back Inlet)

Brand: AMERICAN STANDARD  
Model: 6727-WT & 6727B-WT  
Body Marking:   
Manufacturer: LIXIL (THAILAND) Public Company Limited  
Origin: Thailand

### Approved Signatory

Signature: \_\_\_\_\_  
Name (title): Lam Kwai Wah, Terry (Operations Manager)  
Date: 22 Nov., 2022

*Nutek Systems is a testing agency, accepted by the Water Supplies Department, for testing water supply fittings.*

REPORT NO.: J 27032D

## Summary

Test	Remark
1 Visual Examination	C
2 Water Absorption	C
3 Cracking	C
4 Chemical Resistance Test	C
5 Resistance to Staining and Burning	C
6 Water Seal	C

Note: Conformed to HTM64:2006 UR H/1/2/3 Urinal requirement



## Results (apply only to samples tested)

### 1 Visual Examination

BS 3402: 1969 Cl. 5.1, 5.4 & Table 2

Location	Blemish or defect	Maximum permitted	Remark
General	Wavy finish	None on all visible surfaces	C
	Warpage	Not more than 6mm	C
	Discoloration	None on all visible surfaces	C
Flushing surface and horizontal face of rims of WC pans bidets and urinals	Spots, blister and pinholes	A total of not over three; no grouping; for coloured appliances, blister and pinhole limited to one.	C
	Bubbles and specks	Not over two in one pottery square; a total of not over four	C
	Polishing marks	One only; none permitted for coloured fixtures	C
Visible surfaces other than above	Spots, blisters and pinholes	A total of not over five; no grouping; for coloured appliances, no blisters are permitted and pinholes are limited to a total of two	C
	Bubbles and specks	Not over three in one pottery square; a total of not over ten	C
Overall result			C

### 2 Water Absorption

BS 3402: 1969 Cl. 6

ID	Weight (g)		Absorption (%)	Required	Remark
	Before Test	After Test			
Sample 1	75.9	76.0	0.13	0.75% max.	C
Sample 2	85.4	85.4	0.00		C
Sample 3	83.2	83.3	0.12		C
Average			0.08	0.50% max.	C
Overall result					C

3 Cracking

BS 3402: 1969 Cl. 7

ID	Variable	Unit	Measured	Required	Remark
1	Saturated steam	MN/m <sup>2</sup>	0.34	0.33 - 0.35	C
	Duration	h	10	10	C
	Sample 1	---	No		C
	Sample 2	---	No	No	C
	Sample 3	---	No		C
Overall result					

4 Chemical Resistance Test

BS 3402: 1969 Cl. 8

**Table 4 — Chemical solutions**

Name of Chemical	Strength of solution %	Time		Temperature °C
		hours	minutes	
Acetic acid	10	16		100
Citric acid	10	16		100
Detergent (Note 1)	(Note 1)	48		60
Hydrochloric acid (Note 2)	(Note 2)	48		15 to 21
Sodium hydroxide	5		0.5	60
Sodium stearate	0.15	48		60
Sulphuric acid	3	16		100

**NOTE 1** This consists of an aqueous solution containing 0.04% (w/v) of a condensation product of nonylphenol with 6-10 molecules of ethylene oxide. A suitable solution which contains 0.15% (w/v) of the product is obtainable commercially under the trade name "Laxapal 3".

**NOTE 2** This solution consists of equal volumes of water and of hydrochloric acid of specific gravity 1.18.



ID	Solution	Time (h)	Temperature (°C)	Measured	Required	Remark
1	Acetic acid	16	100	No Loss	No loss of reflectivity on glaze	C
	Citric acid	16	100	No Loss		C
	Detergent	48	60	No Loss		C
	Hydrochloric acid	48	20	No Loss		C
	Sodium hydroxide	0.5	60	No Loss		C
	Sodium stearate	48	60	No Loss		C
	Sulphuric acid	16	100	No Loss		C
Overall result						

5 Resistance to Staining and Burning

BS 3402: 1969 Cl. 9

ID	Variable	Unit	Measured	Required	Remark
1	Methylene blue	---	No Stain	No stain remains	C
	Sodium hypochlorite	---	No Stain		C
	Hydrogen peroxide	---	No Stain		C
	Amyl acetate	---	No Stain		C
	Iodine in ethanol	---	No Stain		C
2	Lighted cigarette	---	No Stain	C	
Overall result					

6 Water Seal

BE EN 274-1: 2002 Cl. 4.5

Variable	Unit	Measured	Requirement	C
Depth of water seal	mm	54	≥50 for partly filled discharge branches	C
Overall result				

Figure 1 - Sample



Figure 2 - Body Marking



**General Note(s)**

**Definitions:**

- C - conformance
- N - no requirement
- NC - non-conformance
- R - remainder

**Organizations:**

- WSD - Water Supplies Department (of Hong Kong)
- WHO - World Health Organization

- End of report -