

<b>Project:</b>			
<b>Serial No.:</b>		<b>Brand:</b>	Richford
<b>Product Model:</b>	R320WH	<b>Place of Origin:</b>	PRC
<b>Product Description:</b>	Wall Hung Toilet		
<b>Color:</b>	White	<b>Size:</b>	(L)531mm x (W)360mm x (H)330mm

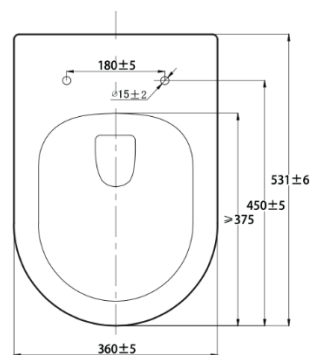
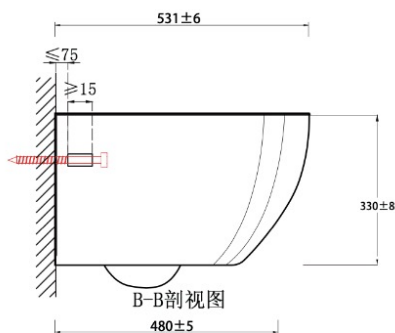
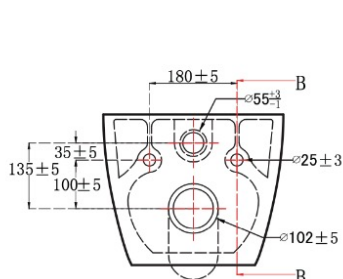
Wall Hung Toilet

P-trap 180mm Roughing-in

2.9/4.6 Litres Flush, Super swirl power flushing

Soft close UF seat cover

Richford<sup>®</sup>  
U.S.A



Note: All recommended installation dimension are for reference only

Address: Shop B, G/F, Sing Kong Building, 233 Lockhart Road, Wan Chai, Hong Kong.

Tel: +852-2559 8008 Fax: +852-2559 9008



水務署  
Water Supplies Department

總部 Headquarters

香港灣仔告士打道七號入境事務大樓 48 樓

48/F, Immigration Tower, 7 Gloucester Road, Wan Chai, Hong Kong

本署檔號 : (4) in WSD 3321/5/20/2023 T/J(86/2023)  
Our ref.  
來函檔號 :  
Your ref.

電話 :  
Tel.  
傳真 : 2824 0578  
Fax.

20 November 2023

Richford Group Limited  
Shop B, G/F, Sing Kong Building,  
233 Lockhart Road,  
Wan Chai, Hong Kong  
(Attn.: Mr. Steven FU)

Dear Mr. FU,

**The Water Efficiency Labelling Scheme (WELS)  
on Water Closets  
Acceptance of Application for Registration**

With reference to your letter received by us on 18 September 2023 and email dated 7 November 2023, I am pleased to inform you that your application for the registration of water closet to the captioned scheme has been accepted and the certificate of registration is attached for your retention. The registration information is as follows:

Brand	Model no.	Type	Country/ Region of origin	Registration no.	Water efficiency grade	Water flush volume (full) (litres/flush)	Water flush volume (reduced) (litres/flush)
Richford	R320WH	Water Closet Pan	China	WC 23-0109	1	4.6	2.9

You are reminded of the following compulsory requirements of the water efficiency label in accordance with Section 7.1 of the Scheme Document:



- i) to affix the full version water efficiency label to the above registered water closet or its packaging at a prominent location; and
- ii) to ensure that the registered water closet shall be displayed for sale with the full version water efficiency label.

Soft copy of water efficiency label (both simplified version and full version as described in Section 7 of the Scheme Document) will be issued to you separately.

As part of the conditions of our acceptance, your attention is drawn to Sections 9.17, 10 and 11 of the Scheme Document respectively for the requirements of the participant's obligations, legal provisions as well as compliance monitoring and inspection. The Scheme Document can be downloaded from our website:

[https://www.wsd.gov.hk/filemanager/en/content\\_1786/scheme\\_document\\_water\\_closets.pdf](https://www.wsd.gov.hk/filemanager/en/content_1786/scheme_document_water_closets.pdf)

Should you have any queries on the above, please contact our Engineer Ms. Maggie IP at telephone no. 3580 1476.

Yours sincerely,



(Terry KUNG)

for Director of Water Supplies

Encl.



自願參與用水效益標籤計劃 - 水廁  
Voluntary Water Efficiency Labelling Scheme - Water Closets

*Certificate of Registration* 註冊證書

茲證明


This is to certify that

Richford Group Limited

將下列水廁在本計劃內註冊：

has registered the following water closet under this scheme :

牌 子 / Brand	:	Richford
型 號 / Model	:	R320WH
種 類 / Category	:	Water Closet Pan
原 產 地 / Country or Region Origin	:	China

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
全沖水量 <i>Water Flush Volume (Full)</i>	:	4.6 公升/沖廁 <i>litres/flush</i>
低沖水量 <i>Water Flush Volume (Reduced)</i>	:	2.9 公升/沖廁 <i>litres/flush</i>

簽發日期:  
Date of Issue:

20 November 2023



水 務 署  
Water Supplies Department



水務署署長(龔庭瑋代行)  
for Director of Water Supplies

+ 上述水廁具額外節水功能，即：重用洗盥水作沖廁用途。

The above water closet is equipped with additional water saving feature, that is: re-use the water collected from wash basin for flushing purpose.





**IDEAL Test Consultants Ltd.**  
**亞典測試顧問有限公司**

Unit 18, 8/F., World-Wide Industrial Ctn,  
43 - 47 Shan Mei Street,  
Fo Tan, N.T. H.K..  
**Tel:** 3702 1986 **Fax:** 3702 1987  
**Email:** sunny@idealtest.com.hk

## TEST REPORT

REPORT REFERENCE NO. : **RRGL012W**

TITLE : Testing of water closet pan

METHOD OF TEST : The Voluntary Water Efficiency Labelling Scheme on Water Closets  
(April 2021) & BS EN 997:2018

PERIOD OF TESTS : 21<sup>st</sup> Jul., 2023 to 24<sup>th</sup> Jul., 2023

SAMPLE SUBMITTED BY : Richford Group Limited  
(Information below provided by client) Shop B, G/F, Sing Kong Building, 233 Lockhart Road,  
Wan Chai, Hong Kong

DESCRIPTION OF SAMPLE : Wall mounted Toilet

Brand	Richford
Model	R320WH
Manufacturer	Richford Group Limited
Origin	China
Body Marking	Richford®

SUMMARY OF RESULTS :  
(Definition of 'C'- Conformance, '/'- No requirement & 'NC'- Non-Conformance )

Tested item/s	Remark
1. Flush Volume - Reduced Flush (for dual flush only)	C
2. Solid Discharge for Maximum Flush	C
3. Liquid Contaminant Dye Retention	C
4. Paper Discharge for Reduced Flush Volume (for Dual Flush only)	C

Date : 31 Jul 2023

Authorized signature :

**Sunny K.S. Wong**  
( Director )



Report reference no.: RRGL012W

**RESULTS:** - (apply only to the sample tested)

**1. Flush Volume - Reduced Flush (for dual flush only)**

The Flush Volume WELS on Water Closets, April 2021, Section I, A4 & A5  
(Clause 6.5.2 in BS EN 997:2018)

Sample	Flush volume (per flush)		Remark
	Full flush	Reduced flush ( $\leq \frac{2}{3}$ of the full flush volume)	
1 <sup>st</sup>	4.7	3.0	C
2 <sup>nd</sup>	4.6	2.8	C
3 <sup>rd</sup>	4.6	2.8	C
4 <sup>th</sup>	4.7	3.0	C
5 <sup>th</sup>	4.6	2.9	C
Average	4.6	2.9	C
Overall result	Grade 1 $fF \leq 4.8$	Grade 1 $fR \leq 3.2$	C

**2. Solid Discharge for Maximum Flush**

The Flush Volume WELS on Water Closets, April 2021, Section II B4 & B5  
(Clause 6.9 in BS EN 997:2018)

Flush cycle	All four test specimens were evacuated		Total flush volume (litre)	Measured after-flush volume		Remark
	YES	NO		in litre	in % of total flush volume	
1 <sup>st</sup>	YES		4.6	2.9	63.0	C
2 <sup>nd</sup>	YES		4.6	3.1	67.4	C
3 <sup>rd</sup>	YES		4.6	2.6	56.5	C
4 <sup>th</sup>	YES		4.6	2.4	52.2	C
5 <sup>th</sup>	YES		4.6	2.7	58.7	C
6 <sup>th</sup>	YES		4.6	2.5	54.3	C
7 <sup>th</sup>	/	/	/	/	/	/
8 <sup>th</sup>	/	/	/	/	/	/
9 <sup>th</sup>	/	/	/	/	/	/
10 <sup>th</sup>	/	/	/	/	/	/
Requirement	For the first six flush cycles or for a minimum of 8 out of 10 flush cycles, each of the four test specimens shall be completely evacuated.		/	/	$\geq 40$	C



Report reference no.: RRGL012W

### 3. Liquid Contaminant Dye Retention

The Flush Volume WELS on Water Closets, April 2021, Section III C4 & C5  
(Clause 6. 11 in BS EN 997:2018)

Flush cycle	Measured level of contaminate (%)		Remark
	Full flush	Reduced flush	
1 <sup>st</sup>	< 1	< 6	C
2 <sup>nd</sup>	< 1	< 6	C
3 <sup>rd</sup>	< 1	< 6	C
4 <sup>th</sup>	< 1	< 6	C
5 <sup>th</sup>	< 1	< 6	C
6 <sup>th</sup>	/	/	/
7 <sup>th</sup>	/	/	/
8 <sup>th</sup>	/	/	/
9 <sup>th</sup>	/	/	/
10 <sup>th</sup>	/	/	/
Requirement	For the first 5 flush cycles, or for a minimum of 9 out of 10 flush cycles, the contaminate level shall be 1% (max.) (at full-flush volume) and 6% (max.) (at reduced-flush volume)		C

### 4. Paper Discharge for Reduced Flush Volume (for Dual Flush only)

The Flush Volume WELS on Water Closets, April 2021, Section IV D4 & D5  
(Clause 6. 10 in BS EN 997:2018)

Flush cycle	All six sheets of toilet paper were evacuated		Remark
	YES	NO	
1 <sup>st</sup>	YES		C
2 <sup>nd</sup>	YES		C
3 <sup>rd</sup>	YES		C
4 <sup>th</sup>	YES		C
5 <sup>th</sup>	YES		C
6 <sup>th</sup>	YES		C
7 <sup>th</sup>	/	/	/
8 <sup>th</sup>	/	/	/
9 <sup>th</sup>	/	/	/
10 <sup>th</sup>	/	/	/
Requirement	For the first six flush cycles, or for a minimum of eight out of ten flush cycles, all six sheets of toilet paper shall be flushed out of the water closet pan and outlet.		C



Report reference no.: RRGL012W



Figure 1- Front view of the sample

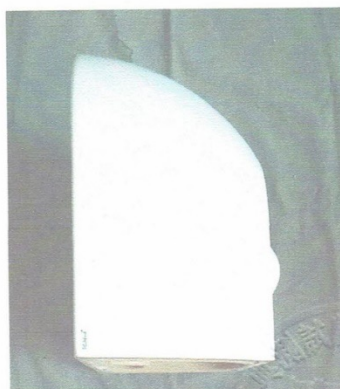


Figure 2- Side view of the sample



Figure 3 – Bottom view of water closets

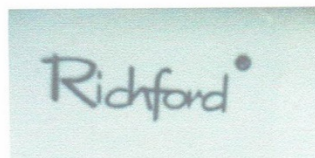


Figure 4- Body marking

- End of report -



用水效益標籤  
Water Efficiency Label



用水效益級別  
Water Efficiency Grade **1**

水點愈少，用水效益愈高。  
The fewer droplets, the more water efficient.

牌子  
Brand Richford

型號  
Model R320WH

種類  
Type Water Closet Pan

全沖水量 (公升/沖廁)  
Water Flush Volume (Full) (litres/flush) 4.6

低沖水量 (公升/沖廁)  
Water Flush Volume (Reduced) (litres/flush) 2.9

登記號碼  
Registration No. WC 23-0109



水務署  
Water Supplies Department

如需詳細資料，請登入 [www.wsd.gov.hk](http://www.wsd.gov.hk) 或致電 2824 5000  
For more information, please refer to [www.wsd.gov.hk](http://www.wsd.gov.hk) or call 2824 5000