

*K. O*   
*ROWN*

*Hand Book*



**Hangzhou Kingcrown Construction & Decoration Material Co., Ltd.**

Add: Room 712, Building 3, No. 1288 Wenyi West Road, Hangzhou, China

Tel: 0086-571-88114900 Fax: 0086-571-88114123

# **PRODUCT SPECIFICATIONS**



Hangzhou Kcrown Construction & Decoration Material Co., Ltd.

Add: Room 1202, Floor 12th, Building 2, No. 619-639, Xiasha Road, Hangzhou, Zhejiang, China

Tel: 0086-571-88114900 Fax: 0086-571-88114123

Email: kcrown1801@aliyun.com

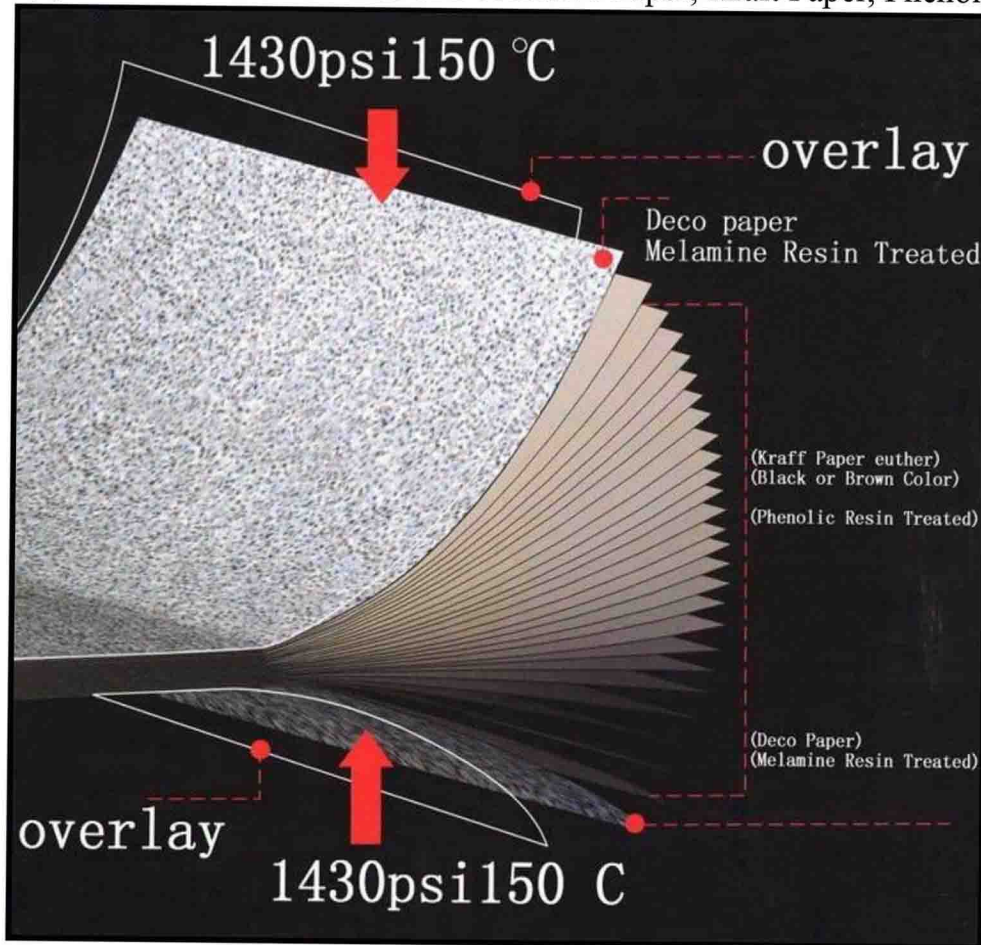
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## HPL Panel Specification

(1) HPL Photos:



(2) The HPL Panel is made of Decorative Paper, Kraft Paper, Phenolic Resin.



(3) Normal Size:

1220mm x 1830mm;

1220mm x 2440mm;

1300mm x 2800mm;

1220mm x 3660mm;

1530mm x 1830mm;

Thickness: From 2mm to 30mm

1530mm x 3030mm;

1530mm x 3660mm;

1830mm x 1830mm;

1830mm x 2440mm;

1830mm x 3660mm.

### (3) Charactor: Fire resistant, Environmental friendly, Water proof Fire Resistant Test Report:



#### Test Report

No.: SDHGR 100901718FM

Date: Oct 12, 2010

Page 1 of 4

HANGZHOU KCROWN CONSTRUCTION AND DECORATION METERIAL CO.,LTD  
ROOM 1801,FLOOR 18,BUILDING 3,N.O.189,FENGI EAST ROAD,HANGZHOU  
310002, CHINA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : KCROWN FIRE RETARDANT  
SGS Ref No. : AJD201003412  
Manufacturer : HANGZHOU KCROWN CONSTRUCTION AND DECORATION METERIAL CO.,LTD  
Country of Destination : GLOBAL  
Test Requested : To determine the performance of the sample when it is subjected to the conditions of test specified in DIN 54937:2007 Testing of materials, small components and component sections for rail vehicles –Determination of burning behaviour using a gas burner Classification according to DIN 5510-2:2009 Preventive fire protection in railway vehicles Part 2: Fire behaviour and fire side effects of materials and parts; Classification, requirements and test methods  
Sample Receiving Date : Sep 03, 2010  
Test Performing Date : Sep 03, 2010 to Sep 14, 2010  
Test Result(s) : For further details, please refer to the following page(s)  
Classification : In accordance with the class definitions given in DIN 5510-2:2009, the tested sample is classified as following:  
Burning Class : S-4  
Smoke Class : SR-2  
Dripping Class: ST-2

Signed for and on behalf of  
SGS-CSTC Co., Ltd.

Jack Yao  
Section Manager

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SGS-CSTC (Shanghai) Inspection & Certification Co., Ltd.  
Sample No.: SDHGR 100901718FM

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## Test Report

No.: SDHGR 100901718FM

Date: Oct 12, 2010

Page 3 of 4

**Observations during test:** None

The classification requirements specified in DIN 5510-2:2009 are given in Appendix 1.

**Appendix 1** Classification according to DIN 5510-2:2009

Burning Class		Smoke class		Dripping Class	
Class	Requirements	Class	Requirements	Class	Requirements
S-1	Test according to DIN 53438-2/3 required	--	--	--	--
S-2	Damaged length=30 cm	Not reached SR-1	Int. > 100 %×min	ST-1	Burning / falling drops, afterflame of drops>20 s
S-3	Damaged length=25 cm, afterflame≤100 s (No individual value ≥ 120s)	SR-1	Int. ≤ 100 %×min	ST-2	No dripping / No falling drops
S-4	Damaged length=20cm, afterflame≤10s	SR-2	Int. ≤ 50 %×min		
S-5	Damaged length=0cm Afterflame=0s				

### STATEMENTS:

The test results relate to the behaviour of the test specimens of a product under the particular conditions of the test; they are not intended to be the sole criterion for assessing the potential smoke and toxicity hazard of the product in use.

The test results relate only to the specimens of the product in the form in which were tested. Small differences in the composition or thickness of the product may significantly affect the performance during the test and may therefore invalidate the test results. Care should be taken to ensure that any product, which is supplied or used, is fully represented by the specimens, which were tested.

The specimen was supplied by the sponsor and SGS-CSTC ANJI Branch was not involved in any selection or sampling procedure.

To be continued...

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 Any reproduction or alteration of the content or appearance of this document is prohibited and offenders may be prosecuted to the fullest extent of the law.  
 For any enquiries regard the subject shown in this test report refer only to the company's tested and exact complete. are released for 30 days only.  
 Appendix 1: History of testing / inspection report / certificate, please contact us at: [china@sgs.com](mailto:china@sgs.com) or [CN.CCS@sgs.com](mailto:CN.CCS@sgs.com)



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# Formaldehyde Determination Test Report:

## Test Report

No.: SDHGR101100506CM

Date: Dec 09, 2010

Page 1 of 2

HANGZHOU KCROWN CONSTRUCTION & DECORATION MATERIAL CO., LTD.  
ROOM1801, FLOOR 18, BUILDING 3, NO. 189, FENGQI EAST ROAD, HANGZHOU, ZHEJIANG,  
310002, CHINA

The following sample(s) was / were submitted and identified on behalf of the client as:

Sample Description : KCROWN FIRE RETARDANT  
SGS Ref No. : GZ1011137200/CHEM  
Manufacturer : HANGZHOU KCROWN CONSTRUCTION & DECORATION MATERIAL CO., LTD  
Country of Destination : GLOBAL  
Sample Receiving Date : Nov 29, 2010  
Test Performing Date : Nov 29, 2010 to Dec 09, 2010

Test Requested	Result
Determination of Formaldehyde Emission in the submitted sample(s) with reference to GB18580-2001.	E1

Signed for and on behalf of  
SGS-CSTC Co., Ltd.

Jack Yao  
Section Manager

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For more information, please contact us at:

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Société Générale de Surveillance S.A. (S)

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Water Proof and Other Data:

TESTING RESULTS

No.2007(X) 1038

No.	Test Items	Results	Test Methods
1	Tensile strength at break, MPa	104	GB/T 1040-1992
2	Elongation at break, %	1	GB/T 1040-1992
3	Flexural strength, MPa	145	GB/T 9341-2000
4	Izod impact strength (notched), kJ/m <sup>2</sup>	31.9	GB/T 1843-1996
5	Compressive strength(10%), MPa	266	GB/T 1041-1992
6	Rockwell hardness(R)	124.4	GB/T 9342-1988
7	Water absorption(23℃, 24h), %	0.46	GB/T 1034-1998
8	Coefficient linear expansion, ℃ <sup>-1</sup> (-30℃~30℃)	1.62×10 <sup>-5</sup>	GB/T 1036-1989
9	Release of formaldehyde, mg/L	0.405	GB 18580-2001

(THE PART BELOW IS BLANK)



(4) CE Certificate:



VERIFICATION OF CONFORMITY

No. IN-SH-CP-5612-13020

It has been stated that the construction product

HPL

8mm Thickness

Intended use: Internal finishes in walls under system 4 placed on the market by

Hangzhou Kcrown Construction and Decoration Material Co., Ltd.

Wuqing Road 15, Cuiqiao Industrial Zone, Henglin Town, Changzhou City, Jiangsu Province, P.R. China

and produced in the manufacturing plant

Hangzhou Kcrown Construction and Decoration Material Co., Ltd.

Wuqing Road 15, Cuiqiao Industrial Zone, Henglin Town, Changzhou City, Jiangsu Province, P.R. China

is submitted by the manufacturer to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the third party- SGS-CSTC Standards Technical Services Co., Ltd. has performed the determination of the product type as required for Regulation 305/2011/EU and the assessment and verification of conformity at system 4. This verification attests that type testing or type calculation described in Annex ZA of the standards EN 438-7:2005 were applied and that the relevant test report no. is SHCCM130901800, SHCCM131002261, SHCCM131202655

This verification is customer voluntary act and refers to the tested samples only-type representative of the tested product. The quality management system certificate no. of the manufacturer is CN13/20621, the manufacturer is obligated to apply factory production control.

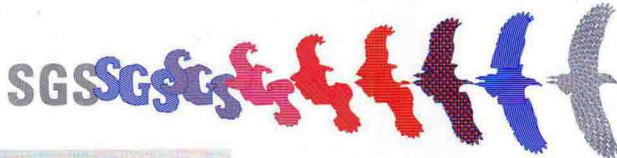
This verification is valid from 18 March 2014 until 17 March 2017 and remains valid as long as the manufacturing conditions in the plant or the factory production control itself are not modified significantly.

Issue 1. Verified since 18 March 2014

Authorised by

Ryan Mao  
Commercial Construction Material Manager  
Industrial Services

SGS-CSTC Standards Technical Services Co., Ltd. Shanghai Branch  
The 3<sup>rd</sup> Building, No. 69, Block 1159, Kangqiao East Road, Pudong Dist., Shanghai, China 201319  
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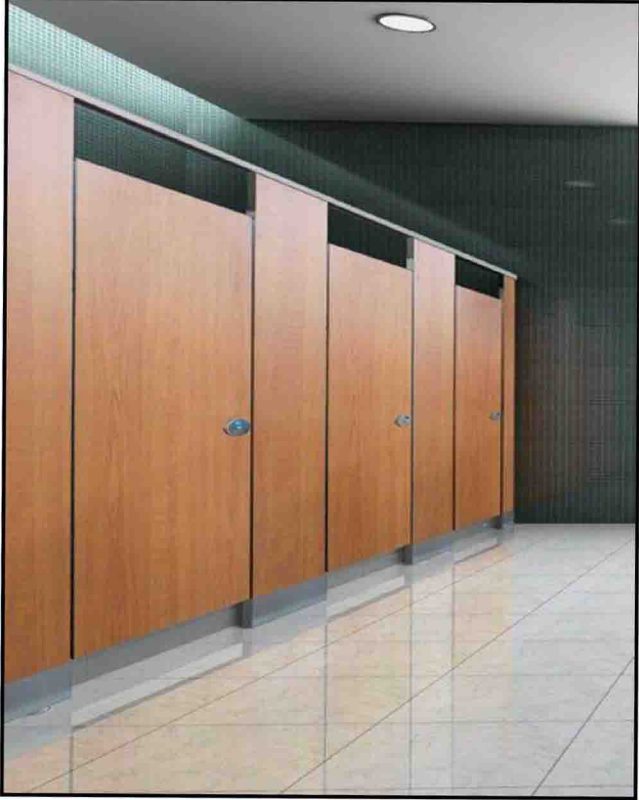
(4) Available Colors:



(5) Packing Material: Wooden Pallets



(6) Appliation: Toilet Partition, Locker, Wall Cladding, Furniture, etc.



# RB-80 Specification

Item No.: RB-80

Commodity Name: Adjustable Support Leg

Height: 10cm or 15cm

Panel Thickness: 12mm, 13mm, 18mm, 19mm

Color: Stainless Steel Color

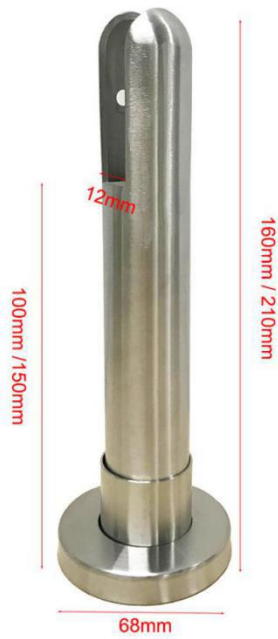
Material: 304 Stainless Steel

Advantage: Water Proof, Fire Resistant, Beautiful  
Shape, Easy to Install.

Product Photo:



Product Size:



### Test Data:

C Si Mn P S Cr **Ni** Mo Al Cu

Co

% % % % % % **%** % % %

%

0.054 0.841 1.440 0.041 0.007 17.637 **8.014** 0.077 0.023 0.234  
0.153

Ti Nb V W Pb B Sn As Bi Ca

Fe

% % % % % % % % % %

%

0.001 0.040 0.067 0.010 0.004 0.002 0.006 0.025 0.002 0.001  
71.323

304 Stainless Steel Standard: **Ni > 8%**

# T-03 Specification

**Item No.:** T-03

**Commodity Name:** Hinge

**Thickness:** 2.5mm

**Panel Thickness:** 12mm, 13mm, 18mm, 19mm, 25mm

**Suggested Quantity:** 2-3 Hinges for One Door

**Color:** Stainless Steel Color

**Material:** 304 Stainless Steel

**Advantage:** Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

**Product Photo:**





<b>Ti</b>	<b>Nb</b>	<b>V</b>	<b>W</b>	<b>Pb</b>	<b>B</b>	<b>Sn</b>	<b>As</b>	<b>Bi</b>	<b>Ca</b>
<b>Fe</b>									
%	%	%	%	%	%	%	%	%	%
%									
0.001	0.040	0.067	0.010	0.004	0.002	0.006	0.025	0.002	0.001
71.323									

**304 Stainless Steel Standard: Ni > 8%**

# AO-66 Specification

Item No.: AO-66

Commodity Name: Indication Lock

Diameter: 53.5mm

Panel Thickness: 12mm, 13mm, 18mm, 19mm

Color: Stainless Steel Color

Material: 304 Stainless Steel

Advantage: Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

Product Photo:





# RB-13 Specification

**Item No.:** RB-13

**Commodity Name:** Right Angle Bracket

**Thickness:** 3mm

**Panel Thickness:** 12mm, 13mm, 18mm, 19mm, 25mm

**Suggested Quantity:** 9-12 Brackets for One Cubicle

**Color:** Stainless Steel Color

**Material:** 304 Stainless Steel

**Advantage:** Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

**Product Photo:**



**Product Size:**



**Test Data:**

C	Si	Mn	P	S	Cr	Ni	Mo	Al	Cu
0.054	0.841	1.440	0.041	0.007	17.637	8.014	0.077	0.023	0.234
0.153									

Ti	Nb	V	W	Pb	B	Sn	As	Bi	Ca
0.001	0.040	0.067	0.010	0.004	0.002	0.006	0.025	0.002	0.001
71.323									

**304 Stainless Steel Standard: Ni > 8%**

# RB-802 Specification

Item No.: RB-802

Commodity Name: Handle

Length: 8 cm

Panel Thickness: 12mm, 13mm, 18mm, 19mm

Color: Stainless Steel Color

Material: 304 Stainless Steel

Advantage: Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

Product Photo:





<b>Ti</b>	<b>Nb</b>	<b>V</b>	<b>W</b>	<b>Pb</b>	<b>B</b>	<b>Sn</b>	<b>As</b>	<b>Bi</b>	<b>Ca</b>
<b>Fe</b>									
%	%	%	%	%	%	%	%	%	%
%									
0.001	0.040	0.067	0.010	0.004	0.002	0.006	0.025	0.002	0.001
71.323									

**304 Stainless Steel Standard: Ni > 8%**

# RG-06 Specification

**Item No.:** RG-06

**Commodity Name:** Head Rail

**Thickness:** 1mm

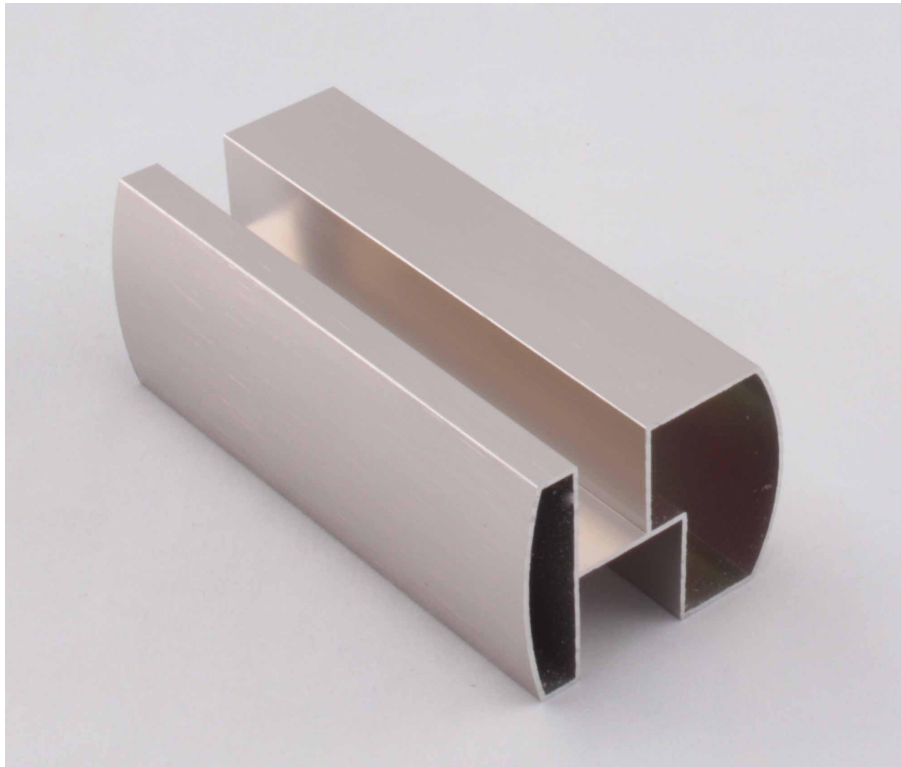
**Panel Thickness:** 12mm, 13mm, 18mm, 19mm, 25mm

**Color:** Stainless Steel Color

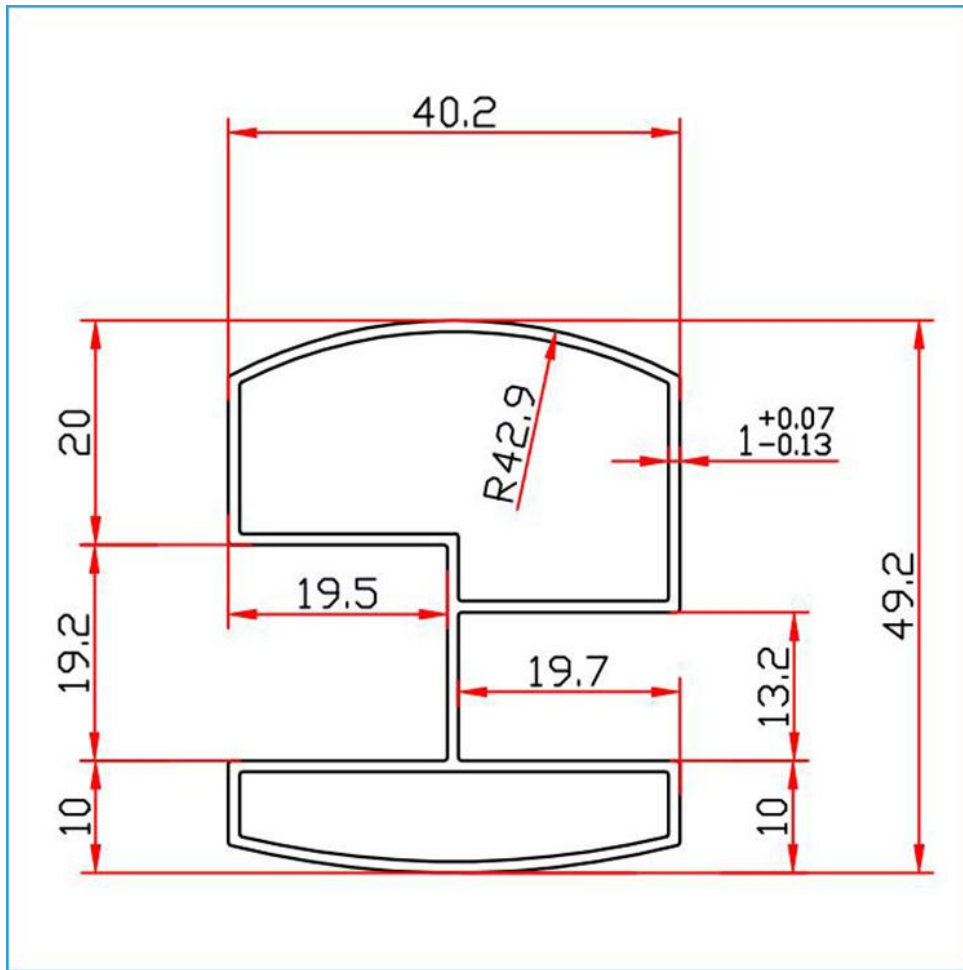
**Material:** 6063A Aluminium

**Advantage:** Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

**Product Photo:**



**Product Size:**



**Test Data:**

Si	Fe	Cu	Mn	Mg	Zn	Cr
Ti						
%	%	%	%	%	%	%
%						
0.43	0.12	0.01	0.01	0.69	0.01	0.1
0.01						

**HV5: 83**

# RG-14 Specification

Item No.: RG-14

Commodity Name: door stopper

Thickness: 1.3mm

Panel Thickness: 12mm, 18mm, 19mm

Color: Stainless Steel Color/Black color, aluminum color

Material: 6063A Aluminium

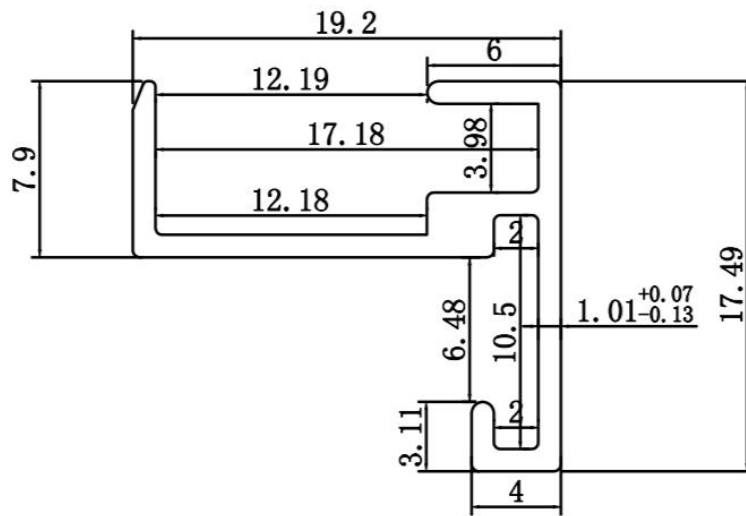
Advantage: Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

Rubber: with

Product Photo:



**Product Size:**



**Test Data:**

Si	Fe	Cu	Mn	Mg	Zn	Cr
Ti						
%	%	%	%	%	%	%
%						
0.43	0.12	0.01	0.01	0.69	0.01	0.1
0.01						

**HV5: 83**

# RG-05 Specification

Item No.: RG-05

Commodity Name: U channel

Thickness: 1.3mm

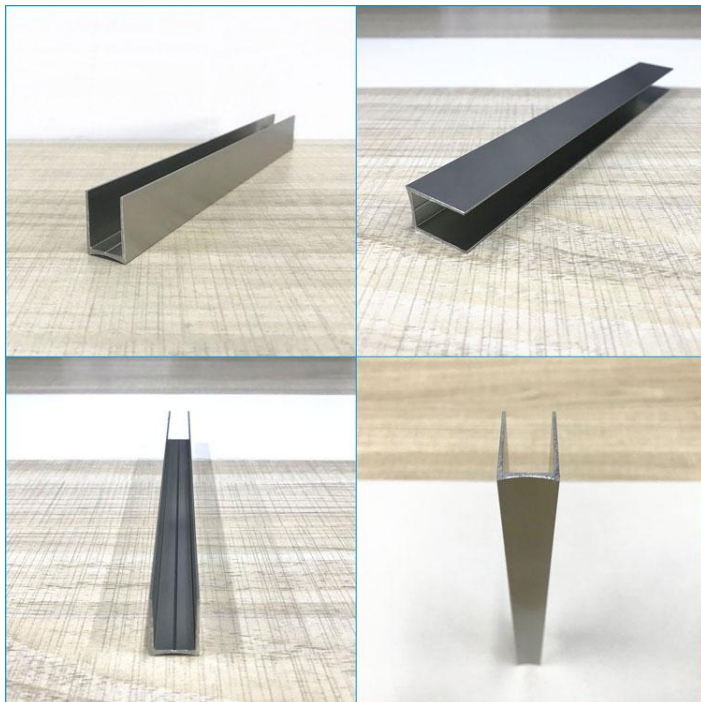
Panel Thickness: 12mm, 13mm, 18mm, 19mm

Color: Stainless Steel Color/Black color, aluminum color

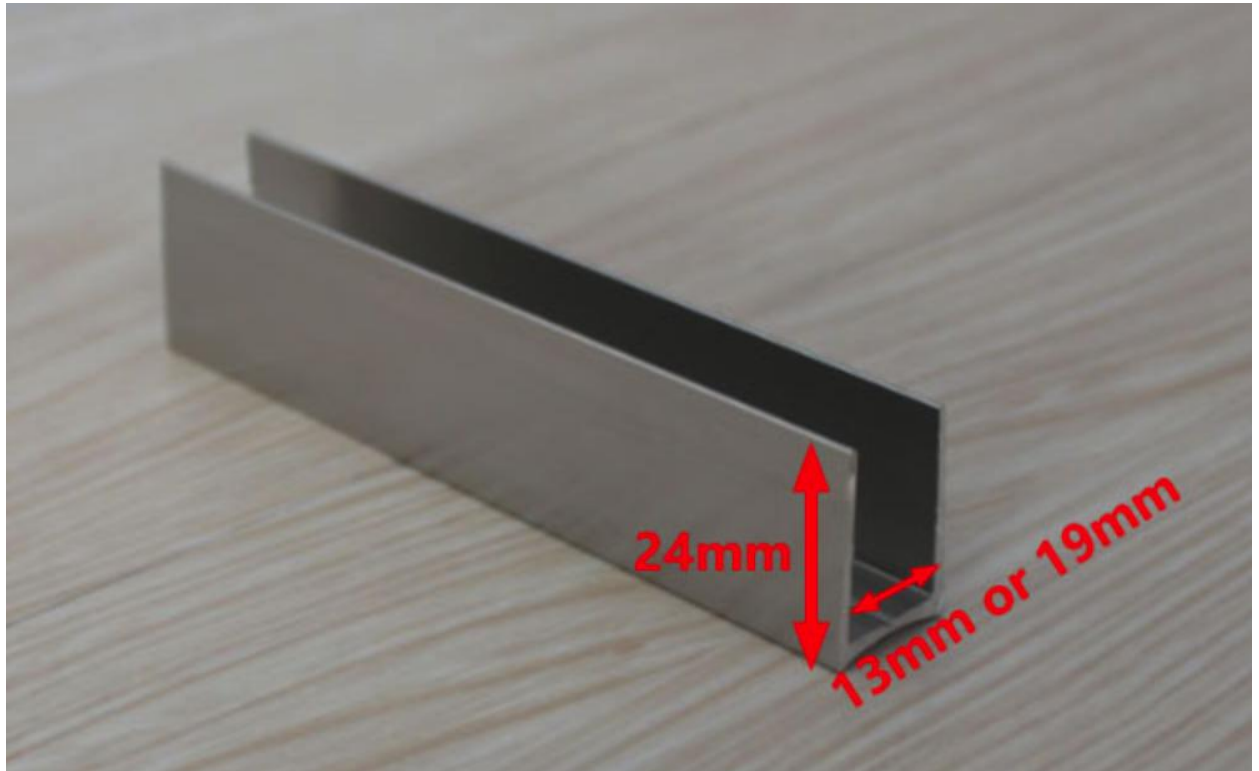
Material: 6063A Aluminium

Advantage: Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

Product Photo:



**Product Size:**



**Test Data:**

Si	Fe	Cu	Mn	Mg	Zn	Cr
Ti						
%	%	%	%	%	%	%
%						
0.43	0.12	0.01	0.01	0.69	0.01	0.1
0.01						

**HV5: 83**

# RG-04 Specification

Item No.: RG-04

Commodity Name: H PROFILE

Thickness: 0.8mm

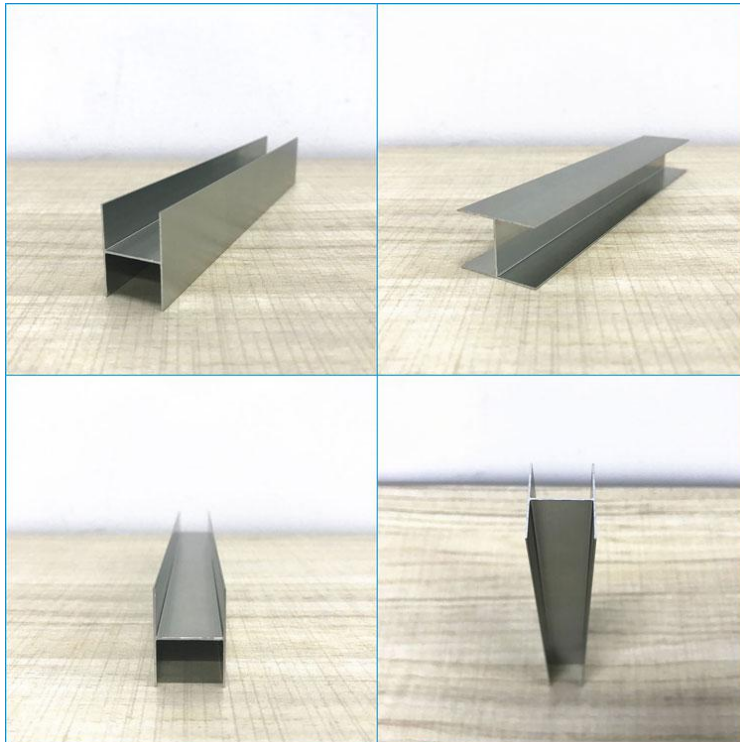
Panel Thickness: 12mm, 13mm,16mm, 18mm

Color: Stainless Steel Color

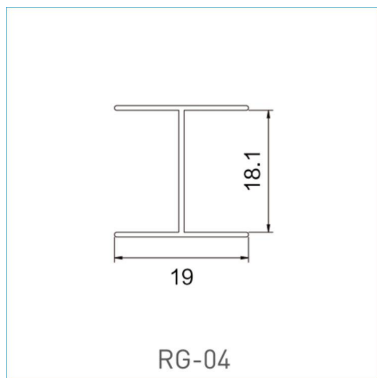
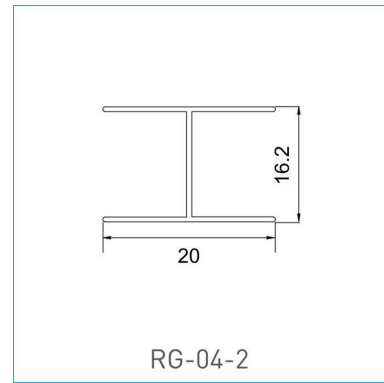
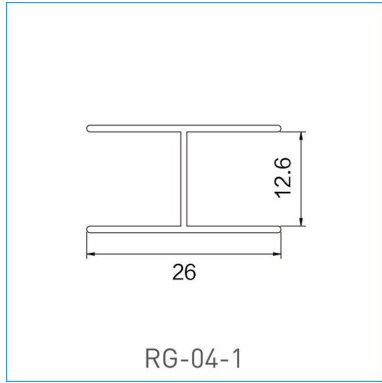
Material: 6063A Aluminium

Advantage: Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

Product Photo:



Product Size:



**Test Data:**

Si	Fe	Cu	Mn	Mg	Zn	Cr
%	%	%	%	%	%	%
%						
0.43	0.12	0.01	0.01	0.69	0.01	0.1
0.01						

**HV5: 83**

# RG-24 Specification

**Item No.:** RG-24

**Commodity Name:** Corner Profile

**Thickness:** 1mm

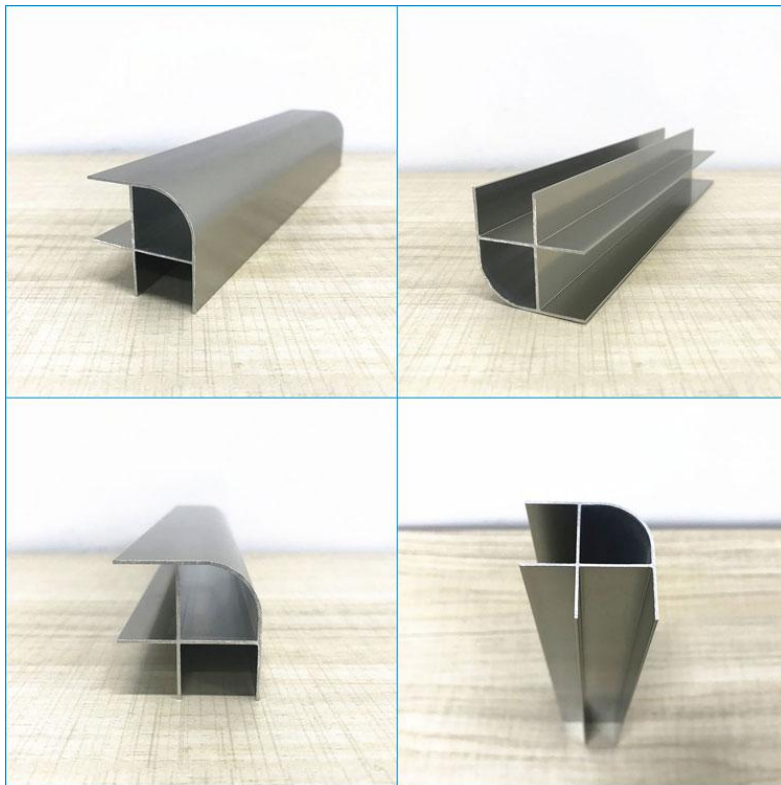
**Panel Thickness:** 12mm, 13mm, 18mm, 19mm

**Color:** Stainless Steel Color

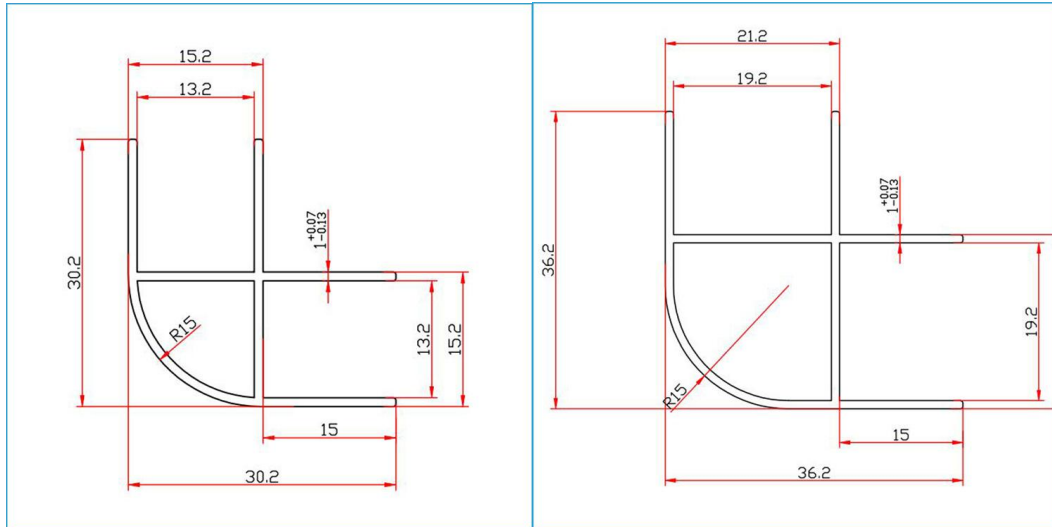
**Material:** 6063A Aluminium

**Advantage:** Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

**Product Photo:**



## Product Size:



## Test Data:

Si	Fe	Cu	Mn	Mg	Zn	Cr
Ti						
%	%	%	%	%	%	%
%						
0.43	0.12	0.01	0.01	0.69	0.01	0.1
0.01						

HV5: 83

# AB-07 Coat Hook Specification

Item No.: AB-07

Commodity Name: Coat Hook

Length: 7.5cm

Panel Thickness: 12mm, 13mm, 18mm, 19mm

Color: Stainless Steel Color

Material: 304 Stainless Steel

Advantage: Water Proof, Fire Resistant, Beautiful Shape, Easy to Install.

Product Photo:



### Product Size:



### Test Data:

C    Si    Mn    P    S    Cr    **Ni**    Mo    Al    Cu

Co

%    %    %    %    %    %    **%**    %    %    %

%

0.054    0.841    1.440    0.041    0.007    17.637    **8.014**    0.077    0.023    0.234  
0.153

**Ti**    Nb    V    W    Pb    B    Sn    As    Bi    Ca

Fe

%    %    %    %    %    %    %    %    %    %

%

0.001 0.040 0.067 0.010 0.004 0.002 0.006 0.025 0.002 0.001  
71.323

**304 Stainless Steel Standard: Ni > 8%**

# Drawing

## Urinal Divider

Model A



Model B



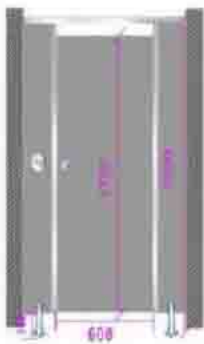
Model C



## Toilet Partition

(1) If divider panel > 1200mm, please see the picture below:

Front sketch



Middle sketch



Side sketch



304 stainless steel hardware



HPL board and aluminum profile