



SEIL BRS FIRE CURTAIN



Agent : Yu Long International Pte Ltd
135 Bishan St. 12 #13-406
Bishan Green, Singapore 570135
Tel : 62809238 Fax : 62850264

Sole Distributor in Singapore :
ABS Building Products Pte Ltd
160 Paya Lebar Road #06-09
Orion @ Paya Lebar, Singapore 409022
Tel : 68417600 Fax : 68417300

Sole Distributor in Malaysia:
ABS Building Products Sdn Bhd
29-G Jalan USJ Sentral 3
USJ Sentral Persiaran Subang 1
47600 Subang Jaya. Selangor, Malaysia
Tel: +603 8023 0833
Hot Line : +6012 389 0833

PRODUCTION

Fire Curtain

✘ Introduction

- ◆ Fabric thickness: 0.6 ~ 0.8mm
- ◆ Fabric weight: 0.6 ~ 0.8Kg/m²
- ◆ Fire resistance: 1100°C (measuring fire resistance for 1 hour) no change
- ◆ Constructing the door for exiting: door (sliding) rail of screen fire shutter.
- ◆ Performance of fire resistance: suitable to unblocked heat for 1 hour.
- ◆ Performance of blocking smoke: 0.4m³/min-m² very good.
- ◆ Installing condition: As the light weight and all-in-one form, it is easy to install the main part and door for exiting
- ◆ Management after installment: There's no problem as the material blocking the fire
- ◆ Safety management: As the light weight, there's no problem in falling situation (Weight: 1/38 of iron material)
- ◆ Box space: Minimizing (more than 350m/m X 290m/m)
- ◆ Operation: When taking down it, it is soft and calm.
- ◆ Checking the door for exiting: Checking is good (the door is big and has bright self-lighting.)
- ◆ Panic condition (In fire, fear condition): Because it is made by half visible materials, it is possible to check opposite situation, so that it minimizes the fear.
- ◆ Safety: It is useful for child, old man and disabled man to pass
- ◆ Use of the space: very good



PRODUCTION

✚ Fire Curtain



✘ Merits

1. **Using the fiber:**
Rather than iron plate, which is more than 24Kg per 1 m², Sillica fiber, which is only 0.6 ~ 0.8Kg, is used. It is the best merit.
2. **Easy to produce and build:**
 - ① As using the merits of fiber, it can be rolled and folded, so that it is easy to use and deliver
 - ② Due to the light weight (20 times lighter than iron) it is easy to use and build
 - ③ It can be possible to be installed even in small space
 - ④ As using small things for the shaft and motor, it has effect on cost reduction
 - ⑤ There is no fatigue loading in built construction.
3. **Easy to be built in small space:**
Shutter box in top of building can be installed at the degree of H:400
4. **There is no damage by malfunctioning:**
If it is malfunctioned such as derailing and free falling, there is little damage. (In iron screen fire shutter, incidents happened.)
5. **In the case of extinguishing the fire, it is easy for fireman to enter in the building.**
In the case of fire, it is easy to be deleted and enter in
6. **Easy management:**
If it is damaged, it is easy to repair and manage
7. **Easy to install in wide space without center column:**
Iron fire shutter can be installed in the area, where has 10~12m space, but screen fire shutter can be installed in the area, where has more than 20m space.
8. **Securing similar economic feasibility with iron materials:**
It has similar price to iron materials.

PRODUCTION

✚ Fire Curtain with Exit Doors



Fire Curtain, which has an exit door is useful to install even in the small space and it has perfect blocking smoke, sealing, opening, recovering. So, it is the fire curtain, which has an exit door to be opened naturally.



SEIL BRS FIRE CURTAIN

PRODUCTION

✚ Fire Curtain

✘ Case of Installation



Square One in Incheon, Korea



Square One in Incheon, Korea



Square One in Incheon, Korea



Gumho Asiana Head Office in Korea



Coke Factory in Yangsan, Korea

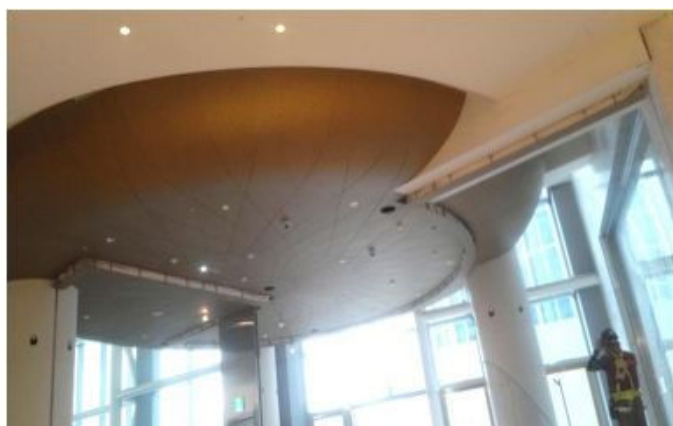


Coke Factory in Yangsan, Korea

PRODUCTION

Curved Fire Curtain

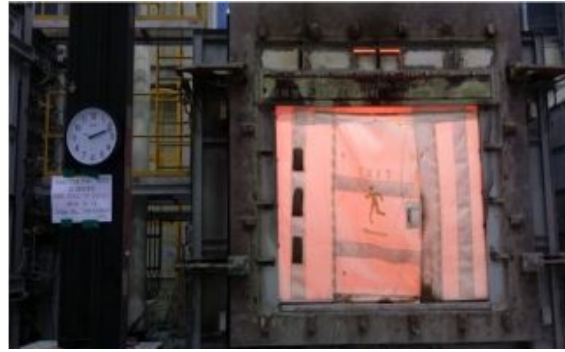
※ **Case of Installation (Lotte Tower in Seoul)**



SEIL BRS FIRE CURTAIN

FIRE TEST

◆ Curtain Fire Test(Singapore)



SEIL BRS FIRE CURTAIN

FIRE TEST

◆ Test Reports



시험성적서

KICT 한국건설기술연구원
경기도 성남시 영등포동 44번길 64
Tel: 031-9500-631 Fax: 031-9500-676

발주처 번호 : KICT-19-K-2014-00056-1-2
쪽 (1 / 1) 총 (6)

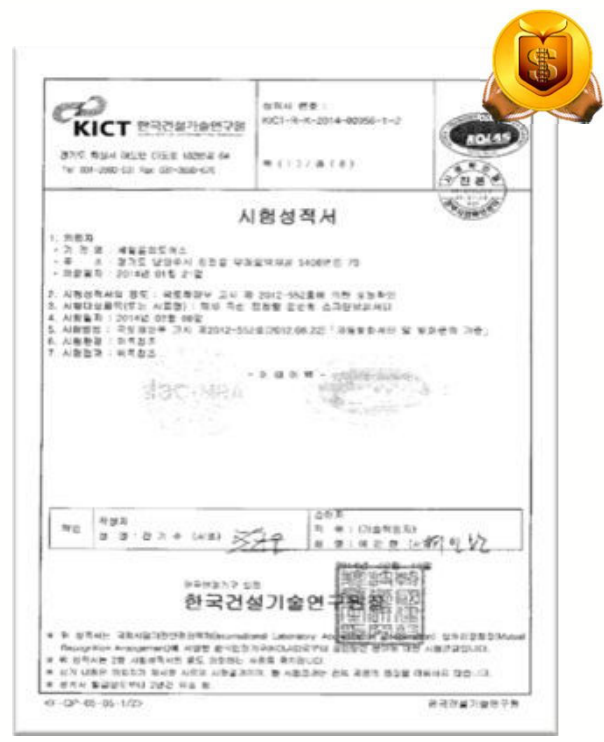
1. 개요
 - 과 명 : 부산광역시 해운대구청
 - 주 소 : 경기도 성남시 영등포동 44번길 64
 - 계약일자 : 2014년 03월 17일

2. 시험성적서의 용도 : 곡면방화막 고시 제 2012-552호에 의한 성능확인
 3. 시험대상용역(또는 시험명) : 방화막, 곡면 방화막, 방화막 스크린방화셔터
 4. 시험기간 : 시험일자 2014년 04월 09일, 시험일자 2014년 04월 10일 (2회시험, 1회시험)
 5. 시험방법 : 곡면방화막 고시 제2012-552호(2012.08.22) 「방화방화셔터 및 방화셔터 기준」,
 6. 시험항목 : 방화검정
 7. 시험결과 : 합격

시험종류	유형	시험결과	비고
내화시험	1. 방화검정(방화막, 방화셔터, 방화막 스크린방화셔터)	합격	방화검정(방화막, 방화셔터, 방화막 스크린방화셔터)
방열시험	1. 방화검정(방화막, 방화셔터, 방화막 스크린방화셔터)	합격	방화검정(방화막, 방화셔터, 방화막 스크린방화셔터)

한국건설기술연구원장

Curved Fire Curtain Test with Exit Door



시험성적서

KICT 한국건설기술연구원
경기도 성남시 영등포동 44번길 64
Tel: 031-9500-631 Fax: 031-9500-676

발주처 번호 : KICT-19-K-2014-00056-1-2
쪽 (1 / 1) 총 (7)

1. 개요
 - 과 명 : 서울특별시 구로구
 - 주 소 : 경기도 성남시 영등포동 44번길 64
 - 계약일자 : 2014년 04월 02일

2. 시험성적서의 용도 : 곡면방화막 고시 제 2012-552호에 의한 성능확인
 3. 시험대상용역(또는 시험명) : 방화막, 곡면 방화막, 방화막 스크린방화셔터
 4. 시험기간 : 2014년 04월 09일
 5. 시험방법 : 곡면방화막 고시 제2012-552호(2012.08.22) 「방화방화셔터 및 방화셔터 기준」,
 6. 시험항목 : 방화검정
 7. 시험결과 : 합격

한국건설기술연구원장

Curved Fire Curtain Test



시험성적서

KICT 한국건설기술연구원
경기도 성남시 영등포동 44번길 64
Tel: 031-9500-631 Fax: 031-9500-676

발주처 번호 : KICT-19-K-2014-01189-1-2
쪽 (1 / 1) 총 (6)

1. 개요
 - 과 명 : 서울특별시 구로구
 - 주 소 : 경기도 성남시 영등포동 44번길 64
 - 계약일자 : 2014년 04월 04일

2. 시험성적서의 용도 : 곡면방화막 고시 제 2012-552호에 의한 성능확인
 3. 시험대상용역(또는 시험명) : 방화막 스크린방화셔터
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 6. 시험항목 : 방화검정
 7. 시험결과 : 합격

한국건설기술연구원장

Fire Curtain Test (2Hours)



Test Certificate

KICT KOREA INSTITUTE OF CONSTRUCTION TECHNOLOGY
Gyeonggi-do, Seongnam-si, Yeongdeup-dong, 44-6, Korea
Tel: 031-9500-631 Fax: 031-9500-676

Certificate No.: 12KCT00711-1
Page: 1 / 1 (3 Pages)

1. Client
 - Name : SKL ROLL UP DOORS
 - Address : Suwayong-ro 19-1, Suwayong-eup, Namyangju-si, Kyungki-do, Korea
 - Date of Receipt : May 14th, 2012

2. Use of Report : Performance test
 3. Test Sample : Screen Fire Shutter (2Hours)
 4. Date of Test : September 21th, 2012
 5. Test method used : KS F 2308-1 : 2006 (Fire resistance test for assemblies)
 6. Testing Environment
 - Temperature : Refer to attached results item 2.1
 - Location : Fire Protection Laboratory
 7. Test Results
 - Refer to the attachment for detail test results

Tested by : [Signature] Technical Manager : [Signature]
 September, 26th, 2012

The President of Korea Institute of Construction Technology

Fire Curtain Test(2Hours)

SEIL BRS FIRE CURTAIN

FIRE TEST

◆ Test Reports



Test Report No. 719... DD-JC
dated 16 Dec 2014

Note: This report is issued subject to the Testing and Certification Regulations of the TÜV SÜD Group and the General Terms and Conditions of Business of TÜV SÜD PSB Pte Ltd. In addition, the report is governed by the terms set out within this report.

TÜV SÜD
PSB Singapore

Choose certainty.
Add value.

SUBJECT:
Fire resistance test on an uninsulated vertical fabric roller shutter with a wicket door, submitted by M/s Yu Long International Pte Ltd under a witness test conducted in the fire test laboratory of M/s Korea Institute of Civil Engineering and Building Technology.

TESTED FOR:
Seil Roll Up Doors
Bupyeong-ri 19-1, Jinjeop-eup,
Namyangju-si,
Gyeonggi-do
Korea 472-864

DATE SUBMITTED: 06 Dec 2014

DATE OF TEST: 11 Dec 2014

PLACE OF WITNESS TEST:
Korea Institute of Civil Engineering and Building Technology
64, 182 Beon-Gil, Mado-Ro, Mado-Myeon, Hwaseong-Si,
Gyeonggi-Do, 445-861,
Korea

PURPOSE OF TEST:
1. To determine the fire resistance of the specimen when tested in accordance with SS 489: 2001: Clause 4: Annex A: Determination of fire resistance of fire shutters.

[Signature]

Laboratory: TÜV SÜD PSB Pte. Ltd.
No. 1 Science Park Drive
Singapore 118221

Phone: +65-6865 1323
Fax: +65-6776 8570
E-mail: testreg@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg. 19602967N

Regional/Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
3 Science Park Drive, #04-01/05
The Franklin, Singapore 118233
TUV*

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Malaysia Fire Test

FIRE TEST

◆ Test Reports



Test Report No. 719 **DD-JC**
dated 15 Dec 2014

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TUV
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P&B Singapore

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Add value.

Laboratory:
TÜV SÜD P&B Pte. Ltd.
No.1 Science Park Drive
Singapore 118221

Phone: +65-6885 1333
Fax: +65-6776 8670
E-mail: testing@tuv-sud-p&b.sg
www.tuv-sud-p&b.sg
Co. Reg: 19002867R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
1 Science Park Drive, #04-01/05
The Franklin, Singapore 118223
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TUV Fire Test (Singapore)

SEIL BRS FIRE CURTAIN

SEIL BRS FIRE CURTAIN



SEIL Screen Fire Shutter

70, Bumaro 106bungil, Jinjeopeup, Namyangjusi,
Gyunggido, Korea
T: +82-31-575-0999 F: +82-31-574-0998
<http://www.seilscreen.com>
<http://www.blog.naver.com/seilshutter>
E-mail : seilshutter@naver.com

ABS Building Products Pte Ltd
160 Paya Lebar Road #06-09
Orion @ Paya Lebar, Singapore 409022
Tel : 68417600 Fax : 68417300

Yu Long International Pte Ltd

135 Bishan St. 12 #13-406
Bishan Green, Singapore 570135
Tel : 62809238 Fax : 62850264
E-mail: yulong@yulongintl.onmicrosoft.com

ABS Building Products Sdn Bhd
29-G Jalan USJ Sentral 3
USJ Sentral Persiaran Subang 1
47600 Subang Jaya. Selangor, Malaysia
Tel: +603 8023 0833
Hot Line : +6012 389 0833