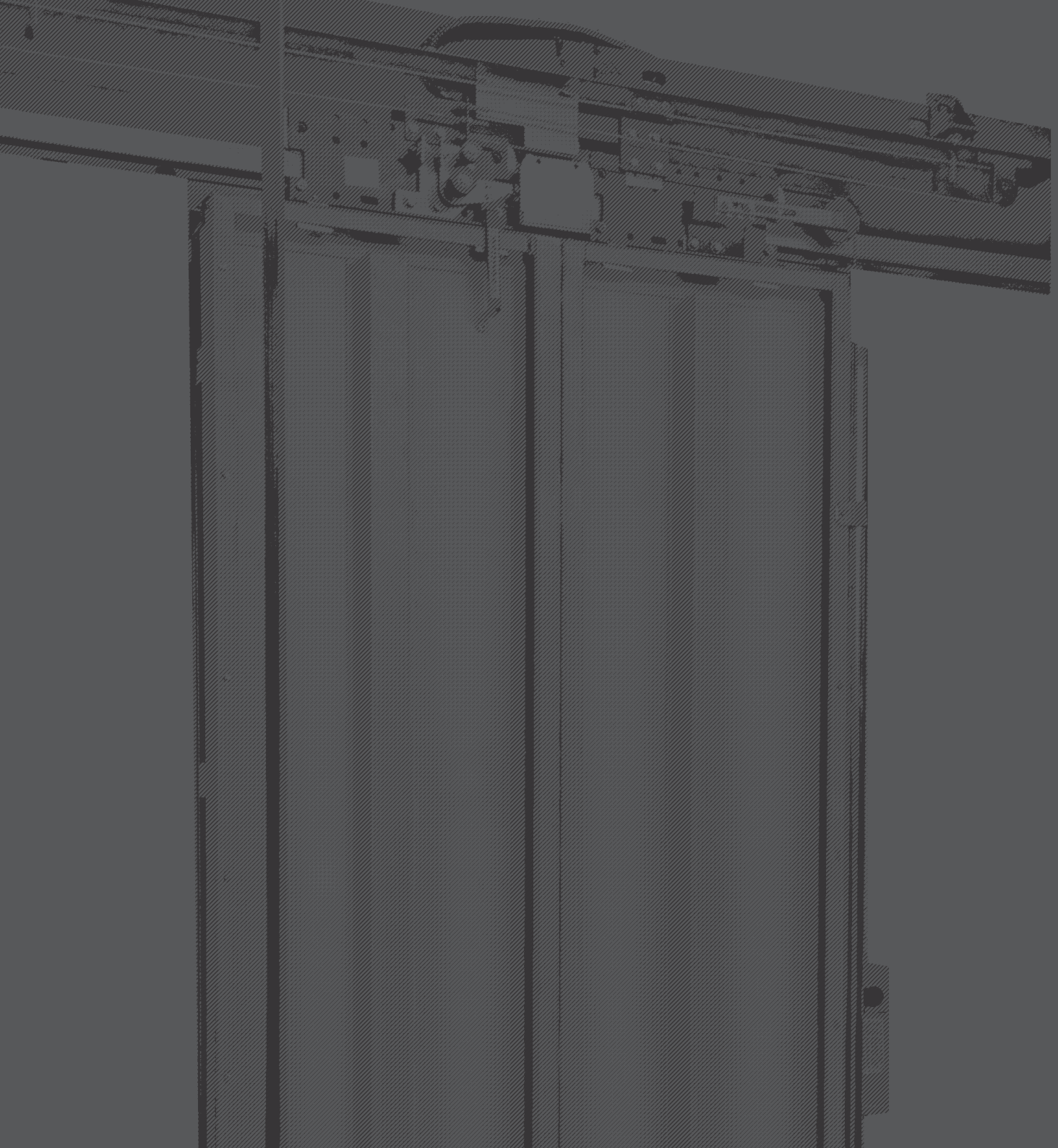

FUJITEC
SINGAPORE

www.fujitecsg.com

ELEVATOR DOOR SYSTEM

elevators
escalators
autowalks

FUJITEC
SINGAPORE

www.fujitecsg.com

DOOR SYSTEM

SPECIFICATIONS

elevators

Fujitec designs, tests and obtains certification for a comprehensive range of fire-rated doors complying with BS476 Pt 22 and TÜV SÜD PSB PLS Class 1B. In Singapore, every elevator landing door installed will be inspected and labelled by TÜV SÜD PSB inspectors, ensuring that the material used and construction is in conformance with the tested specimen and design.

DOOR SYSTEM SPECIFICATIONS

BACKGROUND OF ELEVATOR LANDING DOORS

Elevator doors afford a strong barrier to fall hazard and also substantially delays the spread of fire. These are assured through the fire rating design which is tested and certified as well as the pendulum shock test.

The Singapore Civil Defence Force (SCDF) places great emphasis on the selection of building products with respect to fire safety of buildings. SCDF has worked with TÜV SÜD PSB to implement the Product Listing Scheme (PLS) as the vehicle for list of approved building products from the fire safety perspective.

With the implementation of the PLS, qualified persons (QPs) should select the fire safety products that are listed under the PLS to meet the requirements of the Fire Code. Products shall be constructed in accordance with the tested specimen. Materials used shall conform with the test construction.

Under this ruling, elevator landing doors are required to fulfil TÜV SÜD PSB PLS Class 1B, British Standard Code BS476 Pt 22 or European Standard Code EN81-58.


CERTIFICATE OF CONFORMITY
No. CLS1B 17 07 81295 013
Certificate Holder: Fujitec Singapore Corporation Pte Ltd
Product: Fire Rated Lift Landing Doors
Brand Name: Fujitec HLV DCL35
Model(s): HLV DCL35_2CO-YR17
Standard(s): BS 476-22:1987
Country of Origin: Singapore
Issued on: 2017-07-20
Valid until: 2022-07-19


CERTIFICATE OF CONFORMITY
No. CLS1B 18 02 81295 014
Certificate Holder: Fujitec Singapore Corporation Pte Ltd
Product: Fire Rated Lift Landing Doors
Brand Name: FSD 4CO-YR18
Model(s): FSD 4CO-YR18
Standard(s): BS 476-22:1987
Country of Origin: Singapore
Issued on: 2018-02-21
Valid until: 2023-02-20


CERTIFICATE OF CONFORMITY
No. CLS1B 18 03 81295 015
Certificate Holder: Fujitec Singapore Corporation Pte Ltd
Product: Fire Rated Lift Landing Doors
Brand Name: Fujitec DCL 35
Model(s): DCL35 4CO-YR14
DCL35 2S-YR14
DCL35 2CO-YR14
Standard(s): BS 476-22:1987
Country of Origin: Singapore
Issued on: 2018-04-09
Valid until: 2022-04-08


CERTIFICATE OF CONFORMITY
No. CLS1B 18 07 81295 017
Certificate Holder: Fujitec Singapore Corporation Pte Ltd
Product: Fire Rated Lift Landing Doors
Brand Name: Fujitec HSA
Model(s): HSA 4CO-YR12
HSA 2CO-YR12
Standard(s): BS 476-22:1987
Country of Origin: Singapore
Issued on: 2018-07-12
Valid until: 2019-08-28

elevators

DOOR SYSTEM SPECIFICATIONS

BACKGROUND OF ELEVATOR LANDING DOORS

Elevator doors afford a strong barrier to fall hazard and also substantially delays the spread of fire. These are assured through the fire rating design which is tested and certified as well as the pendulum shock test.

During normal use, the strength of the elevator landing doors has to be assured for fall protection. Impact tests are done on doors with vision panels and will later be expanded to include all landing doors. The impact tests are done according to BSEN81-1 using the pendulum shock test method.

Test Report No. 7191187136-MEC18-NLH
dated 08 June 2018

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, this report is governed by the terms set out within this report.

PSB Singapore

Choose certainty. Add value.

SUBJECT:

Impact performance test on Lift Entrance door with vision glass conducted at Fujitec Singapore Corporation Ltd's Bedok factory on 31 May 2018

TESTED FOR:

Fujitec Singapore Corporation Ltd
204 Bedok South Ave 1
Singapore 469333

Attention: Mr Ong Khay Seng

TEST METHOD:

Adopted from SS 341: 2001 (2012) Specification for safety glazing materials for use in buildings (human impact considerations)

To meet SS 550: Clause 5.3.4 requirement

DESCRIPTION OF SAMPLE:

4 sets of Lift Entrance with vision panel – 2 centre opening.The tested specimen size was 1100 mm (OPW) x 2100 mm (OPH) with vision panel size of 200 mm x 700 mm.

Model: HV DCL35 2CO, YR 16

WITNESSED BY:

S/N	Name	Company
1.	Mr Ong Khay Seng	Fujitec Singapore Corporation Ltd
2.	Mr. M. Harada	Fujitec Singapore Corporation Ltd
3	Cheok J T	Fujitec Singapore Corporation Ltd
4	Lim Yen Ping	Fujitec Singapore Corporation Ltd

Ng Lai Huat
Testing Officer
Higher Associate Engineer

Fabien Tan
Engineer
Real Estate & Infrastructure
Mechanical

TÜV SÜD PSB

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

Phone : +65 6885 1333
Fax : +65 6776 8670
E-mail: enquiries@tuv-sud-psb.sg
www.tuv-sud-psb.sg
Co. Reg. : 199002697R

Regional Head Office:
TÜV SÜD Asia Pacific Pte. Ltd.
1 Science Park Drive, #02-01
Singapore 118221

elevators

Fujitec Singapore Standard Application of Door System

Model	Fire Resistance Hour (minutes)	Door Type	Door Opening Width (OPW) Max. range (mm)	Door Opening Height (OPH) Max. range (mm)	Vision Panel Option	TÜV SÜD PSB	BS Code
DCL35	60	2-panel Centre Opening	1250	2400	Available	PLS Class 1B	BS476 Pt22
DCL35	60	2-panel Centre Opening	2000	2400	Available	PLS Class 1B	BS476 Pt22
DCL35	60	2-panel Centre Opening	1400	2700	Available	PLS Class 1B	BS476 Pt22
DCL35	60	4-panel Centre Opening	2000	2700	Available	PLS Class 1B	BS476 Pt22
DCL35	120	2-panel Centre Opening	1400	2700	-	PLS Class 1B	BS476 Pt22
DCL35	120	2-panel Sliding Opening	1700	2400	-	PLS Class 1B	BS476 Pt22
DCL35	120	4-panel Centre Opening	1800	2700	-	PLS Class 1B	BS476 Pt22
FSD	120	4-panel Centre Opening	2700	3000	-	PLS Class 1B	BS476 Pt22
FSD	120	4-panel Centre Opening	4000	2700	-	PLS Class 1B	BS476 Pt22
HSA	120	2-panel Centre Opening	1400	2750	-	PLS Class 1B	BS476 Pt22
HSA	120	4-panel Centre Opening	1800	2750	-	PLS Class 1B	BS476 Pt22

ZEXIA REXIA

GS ESCALATOR 8000-NX

GS8000-HV

GS AUTOWALK 8100

EZSHUTTLE
Destination Floor Guidance System

FUJITEC

FUJITEC SINGAPORE CORPN. LTD.
204 Bedok South Avenue 1
Singapore 469333

Main Line: +65 62416222
Fax: +65 64447626
Email: fujitec.fsp@sg.fujitec.com

www.fujitecsg.com