



CERTIFICATE OF CONFORMITY

This is to certify that

Lafire Asia (Pte) Ltd

101 Pioneer Road

Singapore 639581

UEN: 200915526N

has been assessed and found to meet the requirements of PLS - Scheme Type 5 for

Product: Fire Rated Duct System

Brand: Ingeborg

Model: IB-120D

Country of Origin: Singapore

Product Details: For horizontal and vertical duct sizes up to 10m by 3m
Stability: 120mins ; Integrity: 120mins ; Insulation: 120mins
Board: Ingeborg
Density: 950kg/m³, Thickness: 12mm
Mineral Wool
Density: 100kg/m³, Thickness: 1 x 50mm or 2 x 25mm
See COC Appendix (1 page) for more details

Test Standard(s): BS 476-24:1987
BS 476-4:1970

Test Report(s): System Test: BRANZ No. FR 5570, FR 5726, FAR 4510
FAR 4529, FAR 4530, FAR 4531
Material Test: Sirim No. 2023FE0169
ETS No. 03857-0323-00903-MEFT

This certificate issued in accordance with SCDF Fire Code requirements.



Eric Law

Head of Certification

For and on behalf of Element Testing Services (S) Pte Ltd

Certificate number:
15A0108

Issue number: 01

Date of initial certification:
17 November 2015

Date of revision:
30 October 2023

Expiry date:
16 November 2028

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Issuing Office: 249 Jalan Boon Lay Singapore 619523
Registered Office: 249 Jalan Boon Lay Singapore 619523
UEN 198004219D

This certificate remains the property of Element Testing Services (S) Pte Ltd.

This certificate and all copies or reproductions of the certificate shall be returned to Element Testing Services (S) Pte Ltd or destroyed if requested.

Further clarification regarding the scope of this certificate and verification of the certificate is available through Element Testing Services (S) Pte Ltd or at the above address or at <https://www.certificationsingapore.element.com/>

The use of the SAC accreditation mark indicates accreditation in respect of those activities covered by the accreditation number PD-2010-12. This Certificate is part of a full report and should be read in conjunction with it.

For further information on Element Testing Services (S) Pte Ltd activities covered by SAC accreditation can be accessed at: <https://www.sac-accreditation.gov.sg/accredited-org/certified-cab-companies>

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Appendix

Product Details: Fire performance of fire rated duct system

Horizontal and vertical ventilation, smoke outlet and kitchen extract ducts or ducts containing combustible lining

Duct Size	Duct type	Board: Ingeborg	Mineral Wool	Stability (mins)	Integrity (mins)	Insulation (mins)
Up to 10000mm x 3000mm	A	Thickness: 12mm	Thickness: 2 x 25mm or 1 x 50mm	120	120	120
	B	Density: 950kg/m ³	Density: 100kg/m ³	120	120	120

For more details, please refer to BRANZ No. FAR 4531.