EK Ecoline Quality Proven

Products Accreditation

greenpages Malaysia

EK ECOLINE CHEMICAL RESISTANT INDUSTRIAL ROOFING SYSTEM

BAHAGIAN PERANCANGAN DAN PENYELIDIKAN
PUSAT PENYELIDIKAN KEBOMBAAN (PUSPEK)
JABATAN BOMBA DAN PENYELAMAT MALAYSIA

PENGARAH
LGYLAN INDUSTRIES SDN BHD,
Lot 17579 & 17579, Jalan Nilai 3/29,
Kawasan Perindustrian Nilai 3,
71800, Nilai,
Negeri Sembilan.

Tuan,

MAKLUM BALAS PERMOHONAN SIJIL PEPASANGAN KESELAMATAN KEBAKARAN

NAMA BAHAN : *EK VINYL ROOF PANEL (EC 35) (ECL 48) – ROOFING SYSTEMS & ROOFING ACCESSORIES FOR BUILDING MATERIALS*

Saya dengan segala hormatnya merujuk kepada perkara di atas adalah berkaitan.

2. Adalah dimaklumkan, Bahagian Perancangan dan Penyelidikan telah memproses serta membuat semakan dokumen dan laporan teknikal berhubung permohonan syarikat Tuan seperti butiran di atas. Untuk makluman, nama bahan seperti dinyatakan di atas **TIADA KAWALAN** dan tidak diketegorikan sebagai Komponen Alat/ Bahan/ Sistem Pepasangan Keselamatan Kebakaran daripada *Local Authority Body* Jabatan Bomba dan Penyelamat Malaysia (JBPM).

Sekian, terima kasih.

"BERKHIDMAT UNTUK NEGARA"

Saya yang menjalankan amanah,

(DATO' YUSOF BIN SIDEK)
Pengarah
Bahagian Perancangan dan Penyelidikan
b.p. Ketua Pengarah
Jabatan Bomba dan Penyelamat Malaysia

"CEPAT DAN MESRA"

SIJIL PENGHARGAAN
PAMERAN KEJURUTERAAN
EK HITEC CORPORATION SDN BHD
PEMPAMER TERBAIK
KARNIVAL SUKAN JKR SEMALAYSIA
yang berlangsungnya pada
22 - 24 Julai 2022
bertempat di
EDUCITY STADIUM & SPORTS COMPLEX
ISKANDAR PUTERI, JOHOR DARUL TA'ZIM

Sijil Penghargaan
Setinggi-tinggi penghargaan di anugerahkan kepada
EK HITEC CORPORATION SDN BHD
di atas penglibatan sebagai
PEMPAMER
sempena
KARNIVAL SUKAN JKR SE-MALAYSIA
yang telah berlangsung pada
22 - 24 JULAI 2022
bertempat di
EDUCITY STADIUM & SPORTS COMPLEX
ISKANDAR PUTERI, JOHOR DARUL TA'ZIM
DATUK Ir. HAJI MOHAMAD ZULKEFLY BIN SULAIMAN
KETUA PENGARAH
JABATAN KERJA RAYA MALAYSIA

SIRIM QAS International Sdn. Bhd.

TEST REPORT

REPORT NO.: 2020FE0088 | PAGE : 1 OF 4

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant / Manufacturer	LGYLAN INDUSTRIES SDN. BHD. Lot 17569 & 17579, Jalan Nilai 3/29, Kawasan Perindustrian Nilai 3, 71800 Nilai, Negeri Sembilan Darul Khusus. (Attn: Mr. Xavier Lui / Ms. Catherine Lui)
Product	EK VINYL ROOF PANEL (ECL 35) (ECL 48)
Reference Standard/ Method of Test	BS 476 : Part 7: 1997 Fire Test on Building Materials and Structures Part 7: Surface Spread of Flame Test.
Description of Test Specimen	9 pieces of EK Vinyl Roof Panel (ECL 35) (ECL 48). Size of Specimen : 270mm x 685mm x 8.3mm (measured thickness) Brand : EK Mass Per Unit Area : 12.24 kg/m²

Descriptions of sample as claimed by the submitter: Refer to page 4

EK Ecoline Industrial UPVC sheets (2mm) joint with cement board (6mm), using polyurethane sealant.

The specimens were tested with the face side exposed to the specified heating condition of the fire test.

Date Received	13.01.2020
Job Number	J2020144002
Test Result	Classification of Surface Spread of Flame Test : Class 1
Issued Date	21 February 2020

Approved Signatory

(MOHAMMAD ZAFUAN MUSA) Testing Executive

(AZMI MUSA) Head, Fire Protection Section, Testing Services Department

SIRIM QAS International Sdn. Bhd.

TEST REPORT

REPORT NO.: 2020FE0087 | PAGE : 1 OF 5

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant/ Manufacturer	LGYLAN INDUSTRIES SDN. BHD. Lot 17569 & 17579, Jalan Nilai 3/29, Kawasan Perindustrian Nilai 3, 71800 Nilai, Negeri Sembilan Darul Khusus. (Attn: Mr. Xavier Lui / Ms. Catherine Lui)
Product	EK VINYL ROOF PANEL (ECL 35) (ECL 48)
Reference Standard/ Method of Test	BS 476 : Part 6: 1989+A1:2009 Fire Test on Building Materials and Structures Part 6: Method of Test for Fire Propagation for Products.
Description of Test Specimen	6 pieces of EK Vinyl Roof Panel (ECL 35) (ECL 48). Size of Specimen : 225mm x 226mm x 8.4mm (measured thickness) Brand : EK Mass Per Unit Area : 13.65 kg/m²

Descriptions of sample as claimed by the submitter: Refer to page 5

EK Ecoline Industrial UPVC sheets (2mm) joint with cement board (6mm), using polyurethane sealant.

The specimens were tested with the face side exposed to the specified heating condition of the fire test.

Date Received	13.01.2020
Job Number	J2020144002

Test Result	Subindex i1	Subindex i2	Subindex i3	Fire Propagation Index (I)
	3.8	6.3	2.2	12.3

Issued Date	21 February 2020

Approved Signatory

(MOHAMMAD ZAFUAN MUSA) Testing Executive

(AZMI MUSA) HEAD, Fire Protection Section, Testing Services Department

SIJIL PENGHARGAAN

Dengan ini mengesahkan bahawa

EK HITEC CORPORATION SDN. BHD.

Telah Menyertai

PERSIDANGAN PEGAWAI KANAN SOC 2022
PADA 20 HINGGA 22 JUN 2022
BERTEMPAT DI HOTEL CASUARINA MERU,
IPOH, PERAK DARUL RIDZUAN

DATO' SERI FAUZIAH BIN HAJI YUSOF
Menteri Kanan Kerja Raya

CAWANGAN KONTRAK DAN UKUR BAHAN
IBU PEJABAT JKR

Sijil Penghargaan

Dengan ini merakamkan ucapan setinggi-tinggi penghargaan dan terima kasih kepada

EK HITEC CORPORATION SDN BHD

Sempena

TAKLIMAT BAHAN :
EK ECOLINE CHEMICAL RESISTANT INDUSTRIAL ROOFING SYSTEMS & ACCESSORIES

pada 20 Julai 2022
di Bilik Gerakan, Tingkat 14, Menara TIMA

(Sr NORAIBAH BINTI KADIRIN, CQS)
Pengarah Khidmat Pakar
Cawangan Kontrak & Ukur Bahan
Ibu Pejabat JKR Malaysia

SIRIM QAS International Sdn. Bhd.

TEST REPORT

REPORT NO.: 2022FE0227 | PAGE : 1 OF 40

THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant	LGYLAN INDUSTRIES SDN BHD Lot 17569 & 17579 Jalan Nilai 3/29 Kawasan Perindustrian Nilai 3 71800 Nilai, Negeri Sembilan, Malaysia. (Attn.: Ms Catherine Lui)
Manufacturer	Same as above
Product	UPVC WALL CLADDING CORRUGATED SHEET
Reference Standard/ Method of test	BS8414 Part 1:2020 Part 1: Test method for non-loadbearing external cladding systems applied to the masonry face of a building.
Description of test specimen	Brand : EK Ecoline Type : Corrugated Sheet Model : Profile ECL 35, Profile ECL 27

Test specimen was installed and tested at SIRIM, No1A, Persiaran Zurah, Kawasan Perindustrian RASA, 44200 Rasa, Hulu Selangor, Selangor Darul Ehsan.

Date of test: 15 April 2022

Date Received	11 February 2022
Testing Location	Test specimen was installed and tested at SIRIM, No1A, Persiaran Zurah, Kawasan Perindustrian RASA, 44200 Rasa, Hulu Selangor, Selangor Darul Ehsan.
Job No.	J2022144064
Overall test result:	The test result of the submitted test sample is described in APPENDIX 5 of this test report (Page 38 and 39)
Issued date	11 May 2022

(SHARIFAH NUR SADIRAH) Senior Testing Executive

(ZAINI AHMAD) Head, Fire Protection Section, Testing Services Department

GCL INTERNATIONAL

Certificate of Registration

This is to certify that the

QUALITY MANAGEMENT SYSTEM

of

LGYLAN INDUSTRIES SDN. BHD.

Lot 17569 & 17579, Jalan Nilai 3/29, Kawasan Perindustrian Nilai 3, Nilai, Negeri Sembilan, 71800, MALAYSIA

for

Manufacture of Unplasticized Polyvinyl Chloride (UPVC) Industrial Roofing

has been assessed and registered against the provisions of

ISO 9001:2015

International Standard

with

Registration Number:	39G19105	Cycle Start Date:	30 January 2021
Project:	2-19195-2-Q	Approval Date:	2 April 2021
		Issue Date:	2 April 2021
Certification Approved By:		Expiry Date:	30 January 2024
Doug Page-Symonds Chief Executive Officer			

This certificate remains the property of GCL International Ltd. The Registration is subject to the Scheme Rules which are published on www.gcl-intl.com. Any misuse, alteration, forgery or falsification is an unlawful act. Please verify the validity of this certificate by visiting www.gcl-intl.com

GCL INTERNATIONAL LTD
Level 1, Devonshire House, One Mayfair Place, London, W1J 8AJ, United Kingdom.

SN: 8001356
PIN: 26098786

SIRIM QAS International Sdn. Bhd.

TEST REPORT

REPORT NO.: 2018PC0625 | PAGE : 1 OF 6

Applicant	LGYLAN INDUSTRIES SDN. BHD. Lot 17569 & 17579 Jalan Nilai 3/29 Kawasan Perindustrian Nilai 3 71800 Nilai Negeri Sembilan
Manufacturer	: same as above -
Product	: EK Ecoline uPVC Industrial Roofing Brand: EK Model: ECL 26, ECL 35, ECL 45 and ECL 48
Reference Standard/ Method of Test	: Please refer to Page 2 of this test report.
Description of Sample	: Please refer to Figure 1 in Page 3 of this test report.
Date Received of Complete Application	: 29 August 2018
Job No.	: J2018146025
Description of Test Results	: The test results of the submitted test samples are described in Pages 4 to 6 of this test report.
Issued Date	: 7 September 2018

Approved Signatories:

(Ir Zaitna Rasmin) Senior Consultant

(Rahmad Abd Shukor) Head, Plastics and Composite Materials Section, Testing Services Department

SIRIM QAS International Sdn. Bhd.

TEST REPORT

REPORT NO : 2020CB0719 | PAGE : 1 OF 4

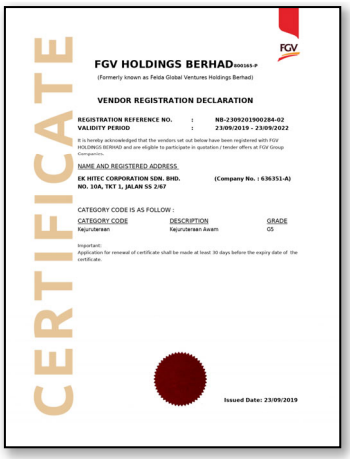
THIS TEST REPORT IS ISSUED IN SECURED PDF SOFTCOPY

Applicant	: LGYLAN INDUSTRIES SDN. BHD. Lot 17569 & 17579 Jalan Nilai 3/29, Kawasan Perindustrian Nilai 3, 71800 Nilai, Negeri Sembilan, Malaysia.
Manufacturer	: LGYLAN INDUSTRIES SDN. BHD.
Product	: EK Industrial UPVC Roofing
Reference Standard / Method of Test	: ISO 10140 – 2 :2010 Acoustics – Laboratory Measurement of Sound Insulation of Building Elements Part 2: Measurement of Airborne Sound Insulation
Description of sample	: EK Industrial UPVC Roofing was installed to the test opening by the applicant. The installation covered the whole of test opening with dimension of 3.6 meter (h) height x 2.8 meter in width. Brand: EK Model: ECL Type: uPVC Nominal Thickness: 2 mm Nominal Density: 1380 kg/m3
Date Received of Complete Application	: 17 October 2020
Job No.	: J2020143065D
Description of Test Results	: The test results of the submitted test samples are described in page 4 of this test report.
Issued Date	: 17 November 2020

Approved Signatory:

(ZAIMAR BIN MOHD JANUS) Testing Executive

(NOR SHA BINTI RAJA ABDUL HANAN) Head, Civil & Construction Section, Testing Services Department



CERTIFICATE

FGV HOLDINGS BERHAD 800165-P

(Formerly known as Felda Global Ventures Holdings Berhad)

VENDOR REGISTRATION DECLARATION

REGISTRATION REFERENCE NO.	:	NB-230920190284-02
VALIDITY PERIOD	:	23/09/2019 - 23/09/2022

It is hereby acknowledged that the vendors set out below have been registered with FGV HOLDINGS BERHAD and are eligible to participate in quotation / tender offers at FGV Group Companies.

NAME AND REGISTERED ADDRESS

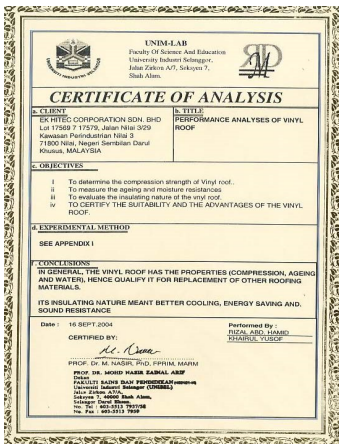
EK HITEC CORPORATION SDN. BHD. (Company No. : 636351-A)
NO. 10A, TKT 1, JALAN SS 2/67

CATEGORY CODE IS AS FOLLOW :

CATEGORY CODE	DESCRIPTION	GRADE
Kejuruteraan	Kejuruteraan Awam	G5

Important:
Application for renewal of certificate shall be made at least 30 days before the expiry date of the certificate.

Issued Date: 23/09/2019



UNIM-LAB
Faculty Of Science And Education
University Industri Selangor,
Jalan Zarkon A/7, Seksyen 7,
Shah Alam.

CERTIFICATE OF ANALYSIS

a. CLIENT	b. TITLE
EK HITEC CORPORATION SDN. BHD Lot 17569 7 17579, Jalan Nilai 3/29 Kawasan Perindustrian Nilai 3 71800 Nilai, Negeri Sembilan Darul Khusus, MALAYSIA	PERFORMANCE ANALYSES OF VINYL ROOF

c. OBJECTIVES

i To determine the compression strength of Vinyl roof.
ii To measure the ageing and moisture resistances
iii To evaluate the insulating nature of the vinyl roof.
iv TO CERTIFY THE SUITABILITY AND THE ADVANTAGES OF THE VINYL ROOF.

4. EXPERIMENTAL METHOD

SEE APPENDIX I

5. CONCLUSIONS

IN GENERAL, THE VINYL ROOF HAS THE PROPERTIES (COMPRESSION, AGEING AND WATER), HENCE QUALIFY IT FOR REPLACEMENT OF OTHER ROOFING MATERIALS.

ITS INSULATING NATURE MEANT BETTER COOLING, ENERGY SAVING AND SOUND RESISTANCE

Date : 16 SEPT 2004
Performed By : RIZAL ABD. HAMID, KHAIRUL YUSOF

CERTIFIED BY:

PROF. DR. M. NASIR, PhD, FPHM, MAHM

PROF. DR. MOHD NASIR BAINAL ARIF
Dekan
FAKULTI SAINS DAN PENDIDIKAN (FSP)
Universiti Industri Selangor (UNISELS)
Jalan Zarkon A/7, Seksyen 7,
40000 Shah Alam,
Selangor Darul Ehsan.
Tel : 603-5513 7899/58
Fax : 603-5513 7898

CPG Certification Partner Global
ISO 9001 : 2015

CERTIFICATE OF REGISTRATION

THIS IS TO CERTIFY THAT THE QUALITY MANAGEMENT SYSTEM OF

EK Hitec Corporation Sdn. Bhd
(636351-A)

Lot 17569 & 17579 Jalan Nilai 3/29,
Kawasan Perindustrian Nilai 3, Nilai
Negeri Sembilan 71800
MALAYSIA

Has been assessed and registered as complying with the requirements of the International Standard shown above for the following Goods and Services. Further clarifications regarding the scope of this certificate and the applicability of ISO 9001 : 2015 requirements may be obtained by consulting the certificate issuer.

Construction of Vinyl Industrial Roofing

JAS-ANZ

Tony Wilde
Group Chairman

Registration Number:	QAC/R60/0020
Original 9001 Registration Date:	30-Jul-2019
Current Registration Date:	30-Jul-2019
Expiry Date:	30-Jul-2022
Amendment Date:	

CPG License # 1150/2011 CC (previously known as ISC Global), Building 11, 7th Floor, Bay Square, Badsen Bay, Dubai, UAE.

The Status and Validity of this Certificate maybe verified in real time by scanning the adjacent QR Code.

This certificate is valid until the Expiry Date shown on the condition that audits are conducted each year and paid for as per the Certification Agreement. Should this condition not be met, cancellation procedures will be initiated, and the cancellation status will be revealed when the QR Code is scanned.

This Certificate remains the property of the Certificate Issuer and must be returned upon request. It must not be altered in any way. Intentional misuse of this certificate will result in cancellation without prior notification

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Sime Darby
Developing Sustainable Futures

Certificate of
Registration
to
EK HITEC CORPORATION SDN BHD
(636351A)
SD09484
for
being a Sime Darby Approved Vendor
from 19 Feb 2020
to 19 Feb 2022

Pre-Qualification Approval Committee
Sime Darby Group

(This certificate is computer generated and no signature is required)