

APPROVAL LETTER FROM PUBLIC WORKS DEPARTMENT OF MALAYSIA (IN ENGLISH)

PUBLIC WORKS DEPARTMENT OF MALAYSIA
ARCHITECTURAL BRANCH
PUBLIC WORKS DEPARTMENT OF MALAYSIA HEADQUARTERS
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Our Ref.: Bil. (C1) dlm.JKR(CA)07/BBL/LK&MB
Date: 8 September 2015

Senior Private Secretary
Minister of Public Works
Office of the Minister of Public Works,
Level 5, Block A, Public Works Complex,
Jalan Sultan Salahuddin,
50580 Kuala Lumpur
(ATTN: AHMAD WAFI BIN HARUSSANI)

Dear Sir,

INTRODUCTION TO THE USE OF THE 'ECO-ROOFING SYSTEM' BRAND OF ROOFS AND WALLS FOR BUILDINGS UNDER THE JURISDICTION OF THE MINISTRY OF WORKS

I refer to the above matter and your letter dated 25 June 2015 with the reference KKR.MKRM.100-27/1/2 Jld. 10(3) is related.

2. For your information, the Architectural Branch organised a building material briefing on the above-mentioned product on 25 & 26 August 2015 which was attended by PWD professional officers of various disciplines from the PWD Headquarters. Attached herewith is the feedback of the Architectural Branch (Appendix A) containing the basic information on the said product and its suitability for use in government development projects.

3. With reference to the laboratory test results including that of SIRIM QAS International (SIRIM) and the Fire and Rescue Department, we have **no objections** to the use of the above-mentioned product in the implementation of government projects.

Thank you.

"SERVE THE NATION"

Yours faithfully,

S/xxx
(Ar. SUTINA GHAZALLI)
Senior Director
Architectural Branch
Public Works Department of Malaysia Headquarters

ITBM
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Certified on behalf of ITBM
Jasmani Mardi
Senior Executive
Signature: [Signature]
Ref. No.: 632/99
Date: 14/9/2015

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[LOGO][LOGO]

cc:

1. Managing Director
FAITH TECHNOLOGIES SDN BHD
No. 208, Jalan Bunga Pekan,
Kawasan 6,
42700 Banting,
Selangor Darul Ehsan
(Attn: Haji Ahmad Sazali Bin Annuar)

Internal circulation:

1. Senior Principal Assistant Director
Architecture Specialist Division
Architectural Branch
(Attn: Ar. Yong Razidah Rashid)

2. Filing

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APPENDIX A

BRIEF REPORT ON 'ECO-ROOFING' PRODUCT BY FAITH TECHNOLOGIES SDN BHD

Product : Eco-Roofing System
Manufacturer : **Faith Technologies Sdn Bhd**
208, Jalan Bunga Pekan,
Kawasan 6, 42700 Banting,
Selangor Darul Ehsan
Tel.: 03-3187 6511 Fax: 03-3187 6512

1.0 PRODUCT BACKGROUND

The eco-roofing system is a roofing technology made from UPVC (unplasticised polyvinyl chloride) which is widely used in the United States of America and countries in Europe. The technology was first developed in the United Kingdom and later brought to the United States of America.

Faith Technologies Sdn Bhd conducted 6 years of research and was successful in developing a formula that can withstand the Malaysian weather. In 2012, this Malaysian-made product was first introduced in the market and was met with encouraging response. It has since been successfully used in several projects.

2.0 PRODUCT SPECIFICATION:

Technical Specification:

Description	: UPVC type corrugated roofing sheet
Material	: Polyvinyl chloride
Rib Height	: 26 mm
Thickness	: 1.0 mm – 3.0 mm
Effective Cover Width:	762 mm
Maximum Purlin Spacing:	1500 mm
Maximum Roof Slope	: 5 degrees
Protection Coating	: Homogeneous
Solar Reflectance Index:	104
Solar Reflectance	: 0.83
Thermal Emittance	: 0.83

Warranty:
10 years on material upon unadulterated first installation or erection work

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2.1 PRODUCT ADVANTAGES

- Easy to install as this product is light compared to other types of roofing
- The roof coating is homogeneous coating
- Less noise during rain (good acoustic properties)
- Heat resistant (reduces heat transfer)
- Less maintenance
- Green and eco-friendly product

2.2 APPLICATION

- This product can be easily applied by trained workers.
- A method statement is provided by the manufacturer with explanations on the correct method of installation.

3.0 FINDINGS AND EVALUATION

- This roof is suitable for use in buildings with a wide span as it is very light compared to metal roofs.
- This product is suitable for use in government projects in order to save energy and maintenance management costs.
- The use of this green and eco-friendly product will improve the air quality circulating in the building.

Ar. THULASIDAS SIVASUBRAMANIAM
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Architectural Branch
Public Works Department Malaysia
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50300 Kuala Lumpur

Prepared by:

**Architecture Specialist Division
Architectural Branch
7 September 2015**

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