

Examples of Materials Certified with Green Labels

Central Nakhon Pathom Project

ฉลากเขียว สถาบันสิ่งแวดล้อมไทย
และสำนักงานมาตรฐานผลิตภัณฑ์อุตสาหกรรมขอร่วมแสดงความยินดีแก่

บริษัท อีโคโนแมท จำกัด

ที่ได้การรับรองเครื่องหมายฉลากเขียวสำหรับผลิตภัณฑ์ โดยมีรายละเอียด ดังนี้

ผลิตภัณฑ์ : ผลิตภัณฑ์วัสดุก่อผนัง (TGL-61-11)
รูปแบบการรับรอง : Type 3
เครื่องหมายการค้า : EKOBLOK
รุ่นที่ได้รับการรับรอง : จำนวน 1 รุ่น ได้แก่
1) คอนกรีตบล็อกกลวงไม่รับน้ำหนัก ขนาด 70x190x390 มม., 140x190x390 มม., 190x190x390 มม.
ที่ตั้งโรงงานผู้ผลิต : บริษัท อีโคโนแมท จำกัด
: 99/9 หมู่ 7 ตำบลพุกวาง อำเภอบางแพะ จังหวัดสุพรรณบุรี 18120
ผลิตภัณฑ์นี้ได้รับการรับรองตามข้อกำหนดฉลากเขียว ภายใต้เงื่อนไข ดังนี้
เลขที่ใบรับรอง: GL2022/013 วันที่ได้รับการรับรอง: 7 เมษายน 2565 วันที่สิ้นสุดการรับรอง: 6 เมษายน 2568

ดร. วิจารย์ สิมาฉายา
ผู้อำนวยการสถาบันสิ่งแวดล้อมไทย

TISI **TEI** **GEN** **Member**

มูลนิธิสถาบันสิ่งแวดล้อมไทย
16/151 เมืองทองธานี ถนนพหลโยธิน แขวงคลองจั่น เขตบางเขน กรุงเทพมหานคร 11120

FM-204/01
Rev.01/2564

Thai Green Label
Thai Industrial Standards Institute and Thailand Environment Institute
Jointly congratulate

Quality Construction Products Public Company Limited
For successfully meeting the requirements of the Thai Green Label for:

Product Category : bricks and blocks (TGL- 61-11)
Certification Scheme : Type 3
Trademark : Q-CON
Model : Autoclaved Aerated Lightweight Concrete Products
- Class G4
Factory : Quality Construction Products Public Company Limited
144 M.16 Udomsornayuth Bangkrasan Bangpa-in
Ayutthaya 13160

This product has been certified as meeting all the criteria necessary to carry
The Thai Green Label under the following conditions

Certificate Number: GL2021/020 Registration Date: 15/03/2021 Valid Until: 14/03/2024

W. Simachaya
Wijarn Simachaya, Ph.D.
President of Thailand Environment Institute

TISI **TEI** **GEN** **Member**

Thailand Environment Institute Foundation (TEI)
16/151 Muang Thong Thani, Bangna-Or Road, Bangna, Bangkok 10700

FM-204/01
Rev.01/2564

Thai Green Label

Thai Industrial Standards Institute and Thailand Environment Institute
Jointly congratulate

Microfiber Industries Limited

For successfully meeting the requirements of the Thai Green Label for:

Product Category : Building Materials: Thermal Insulation (TGL-14-R1-11)
Certification Scheme : Type 3
Trademark : Microfiber
Model : 18 Model :
1. 12K50 mm., 2. 12K75 mm., 3. 12K100 mm., 4. 16K25 mm.,
5. 16K50 mm., 6. 16K75 mm., 7. 16K100 mm., 8. 24K25 mm.,
9. 24K50 mm., 10. 24K75 mm., 11. 24K100 mm., 12. 32K25 mm.,
13. 32K50 mm., 14. 48K25 mm., 15. 48K50 mm., 16. 64K25 mm.,
17. 80K25 mm., 18. 96K25 mm.
Factory : Microfiber Industries Limited
54 Moo 12 Road Kingkaew Sub-district Rachatewa
District Bangplee Province Samutprakarn 10540

This product has been certified as meeting all the criteria necessary to carry
The Thai Green Label under the following conditions

Certificate Number: **GL2022/051**

Registration Date: **9/12/2022**

Valid Until : **8/12/2025**

W. Simachaya

Dr. Wijarn Simachaya

President of Thailand Environment Institute



16/151 Muang Thong Thani, Bond Street Rd., Bangapood, Pakkred, Nonthaburi 11120



Thailand Environment Institute Foundation (TEI)



FM-204/01
Rev.01/2564

Examples of Materials Certified with Carbon Footprint Reduction (CFR) Label
or Environment Friendly Label

Central Nakhon Sawan Project

Certificate Number:
TGO CFR FY20-010-02-046



THAILAND GREENHOUSE GAS
MANAGEMENT ORGANIZATION
(Public Organization)



CONGRATULATE

The Concrete Products and Aggregate Co., Ltd.

For
Successfully meeting the requirements of
the Carbon Footprint Reduction Label Scheme for

SCG Hybrid Cement, Bulk 1000 kg

B2B Scope: 798 kgCO₂e

By 2.77 % carbon reduction from its entire life cycle
as certified by TGO







Registration Date: 27 August 2020 Expiration Date: 26 August 2023

Mr. Kiatchai Maitriwong

Executive Director
Thailand Greenhouse Gas Management Organization (Public Organization)

Examples of Materials Certified with Recycled or Reginal Materials

Central Nakhon Sawan Project

Product name: INSEE SUPERBLOCK G4.			
Product type: Autoclave aerated concrete type of G4.			
Manufacturer: INSEE Superblock Co. Ltd. Singburi Province			
Project Name: Central Nakhon Sawan			
Project address: Pak Nam Pho Sub-district, Mueang Nakhon Sawan District, Nakhon Sawan			
Subject: Recycled and Reginal Materials			
To: Project Manager and Whom to be concerned			
We are pleased to be certified that are our products have the following information			
			
Product Information		Product Description	
Building component	Structural	Size & thickness	All size & Thickness
Category	Cement	Eco Label	Done
Product Certification			
Material & resource Regional Material		   	
<p>The Product has been extracted, and we have factory in Singburi Province that recover all of Thai regional and neighboring countries such as Myanmar. From the project site that show above totally 99% of ingredient below</p> <ol style="list-style-type: none"> 1. 15 % of Portland Cement Type I from SCCC cement, the level 5 of Green industry factory in Saraburi Province, in 207 kilometers to project site 2. 45 % of sand, that the major ingredient from local site under our factory control and could be select high quality of coarse sand for produce, it near our factory in 2 kilometers and 124 kilometers to project site 3. 40 % of Alternative material for environmental conservation as a result, the first Green label of AAC industry in Thailand, Source of raw material is Ayutthaya and Suphanburi Province, in 145 kilometers to project site <p>This factory is located in 122 kilometers away from the project site</p> <p>This information update since November 2021, For more information contact with call center 1732</p> <p>Sincerely yours,</p> <p style="text-align: center;">  Mr. Yothin Ungkoon Ph.D (Energy Tech.) </p>			

Central Nakhon Sawan Project

Siam Yamato Steel Co., Ltd.

1 Siam Cement Road, Bangsue,
Bangkok, 10800, Thailand
Tel (662) 586-2763-6
Fax (662) 586-2697
www.syssteel.com



SD-00000-001-01-23

March 28, 2023

To : Whom It may concern

Project : CENTRAL NAKHON SAWAN, A.Mueang, Nakhon Sawan province

Subject : Recycled and regional scrap content

The steel from Siam Yamato Steel (SYS) are produced by electric arc furnaces, which are fed with 99% recycled material (ferrous scrap) and 61% of them are local scrap by weight (Information as of 2022). Alloys and fluxes are added to the ladle to establish the required chemistry of the steels according to the standards.

1. Recycled Scrap: Containing 99% by weight
 - Obsolete scrap 98% mainly structural from demolition (Post-Consumer Recycled Content)
 - Industrial scrap 2% from the manufacturing industry (Pre-Consumer Recycled Content)
2. Regional Scrap
 - Local scrap 61% (Sources mainly from areas not exceeding 800 km. from construction site)
 - Import scrap 39% (Sources mainly from SE Asia, East Asia, Philippines, Hong Kong, Japan, Africa, Middle East, Europe, USA, Central/South Central America)
3. Distance from construction site to manufacturing plants is approximately 450 km.
 - Map Ta Phut Plant: 9 I-7 Rd., Maptaphut Industrial Estate, Rayong, Thailand 21150
 - Huai Pong Plant: 9/9 Soi G-5 Pakorn Songkrohraj Rd, Huai Pong Muang, Rayong 21150

Scrap Blending may vary depending on the chemical composition of the final product and/or market prices of various scraps.

The quality of each scrap delivery is controlled at the scrap yard. 100% of the scrap is controlled for radioactivity.

Best regards,

A handwritten signature in blue ink, appearing to read 'Nutwaree I.'.

(Nutwaree Intarachote)

Sustainable Development Manager

Siam Yamato Steel Co., Ltd

Matichai R.

Central Nakhon Pathom Project



วันที่ 18 พฤษภาคม พ.ศ. 2566
เรียน บริษัท แสตนดาร์ด เพอร์ฟอร์แมนซ์ จำกัด
โครงการ เซ็นทรัล นครปฐม
เรื่อง หนังสือรับรองการเลือกใช้ปูนซีเมนต์

อ้างอิงตามเอกสาร TGO CFP FY22-106-02-1135 ของ บริษัท ปูนซีเมนต์นครหลวง จำกัด (มหาชน)
ทางบริษัทฯ ขอรับรองว่าคอนกรีตทุกสินค้าในเอกสารดังกล่าวใช้วัสดุ INSEE PETCH EASY FLOW (BULK) 1,000 KG
จากบริษัท ปูนซีเมนต์นครหลวง จำกัด (มหาชน) ตาม CARBON FOOTPRINT LABEL SCHEME

PRODUCT CODE	CEMENT (KG)	FLY ASH (KG)	RECYCLED CONTENT % BY WEIGHT OF CEMENTITIOUS
84321002	268	67	20%
84381002	316	79	20%
84381002	325	81	20%
84489671	372	93	20%
84509679	396	99	20%

จึงเรียนมาเพื่อทราบและขอขอบคุณที่ท่านได้ให้ความไว้วางใจใช้ผลิตภัณฑ์ของบริษัทฯ

ขอแสดงความนับถือ

ประทุม ออกันนท์เวช
ผู้จัดการโรงงานคอนกรีตผสมเสร็จ
(บจก. ธนानันท์ ฮาร์ดแวร์)

Examples of certification documents from manufacturers or authorized distributors verifying the volatile organic compound (VOC) levels of the materials used, or test results issued by accredited institutions.

Central Nakhon Sawan Project

	 		
<h1>Confirmation</h1> <h2>LEED</h2>			
<p>On 11 June 2019, Eurofins Product Testing A/S received a sample of waterproofing membrane with the product name:</p> <p style="text-align: center;">Crocodile Flex Shield</p> <p style="text-align: center;">supplied by</p> <p style="text-align: center;">JORAKAY CORPORATION CO.,LTD.</p> <p>The sample was supplied as being representative of the manufactured product, and it has been tested in accordance with the relevant CDPH 01350, ASTM D2369 and EPA method 24 testing standards (See test report no. 392-2019-00220705_H_EN and 392-2019-00237705_XG_EN_rev2).</p> <p>The test results of the tested product indicate that the product qualifies for LEED v4 specifications on VOC emissions and VOC content by complying with:</p> <p>VOC emissions specifications in LEED EQ credit "Low-emitting products":</p> <ul style="list-style-type: none">• The requirements of CDPH-IAQ (California Department of Public Health (CDPH) Standard Method v1.2-2017 (worst case relative to v1.0-2010)); and a TVOC below 0.5 mg/m³ in both office and class room. <p>VOC content specifications in LEED EQ credit "Low-emitting products":</p> <ul style="list-style-type: none">• The requirements of SCAQMD rule 1113 (2016) <p>31 July 2019</p> <table><tr><td> Rasmus Stengård Christensen Analytical Service Manager, MSc in Chemistry</td><td> Janne Rothmann Norup Analytical Service Manager</td></tr></table> <p><small>LEED® is the preeminent program for the design, construction, maintenance and operations of high-performance green buildings. USGBC® and the related logo are trademarks owned by the U.S. Green Building Council and are used with permission.</small></p> <p style="text-align: center;">Eurofins Product Testing A/S • Smedeskovvej 38, 8464 Galten, Denmark • Tel. +45 70 22 42 76 www.product-testing.eurofins.com</p>		 Rasmus Stengård Christensen Analytical Service Manager, MSc in Chemistry	 Janne Rothmann Norup Analytical Service Manager
 Rasmus Stengård Christensen Analytical Service Manager, MSc in Chemistry	 Janne Rothmann Norup Analytical Service Manager		

Central Nakhon Sawan Project



Product Testing



Eurofins Product Service (Thailand) Co., Ltd.
344/2 Soi Soonvijai 4, Rama 9 Rd., Bangkok,
Huaykwang,
Bangkok 10320
THAILAND

Eurofins Product Testing A/S
Smedeskovvej 38
8464 Galten
Denmark

CustomerSupport@eurofins.com
www.eurofins.com/VOC-testing

Applicant:
SCG Cement - Building Materials Co. Ltd.
1 Siam Cement Rd., Bangsue Bangkok

VOC TEST REPORT VOC Content

24 August 2021

1 Sample Information

Sample name	Tiger Tile Adhesive Pink
Sample no.	392-2021-00328213
Stated production date	12/06/2021
Batch No.	-
Sample reception	28/06/2021

2 Brief Evaluation of the Results

Regulation or protocol	Conclusion	Version of regulation or protocol
SCAQMD Rule 1168	Pass	October 2017
LEED v4.1 (VOC Content)	Pass	February 2021

Full details based on the testing and direct comparison with limit values are available in the following pages
Regarding pass/fail decision rule please see appendix


Pernille Krintel
Analytical Service Manager


Janne Rothmann Norup
Analytical Service Manager

The results are only valid for the tested sample(s).
This report may only be copied or reprinted in its entirety, parts of it only with a written acceptance by Eurofins.
392-2021-00328213_XG_EN_rev1