

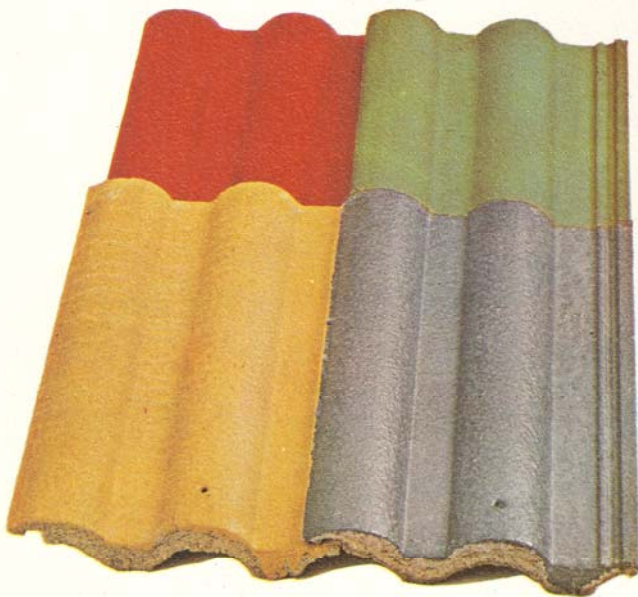
LAMA ROOFING TILES

FOR THE HOMES OF
PARTICULAR PEOPLE



**HIGHEST QUALITY
LONG-LASTING
IMMEDIATE DELIVERY
ATTRACTIVE COLOURS**

EVERY TILE EXCEEDS SPECIFICATION STANDARDS
EXACT SAMPLES SENT ON REQUEST.



Lama

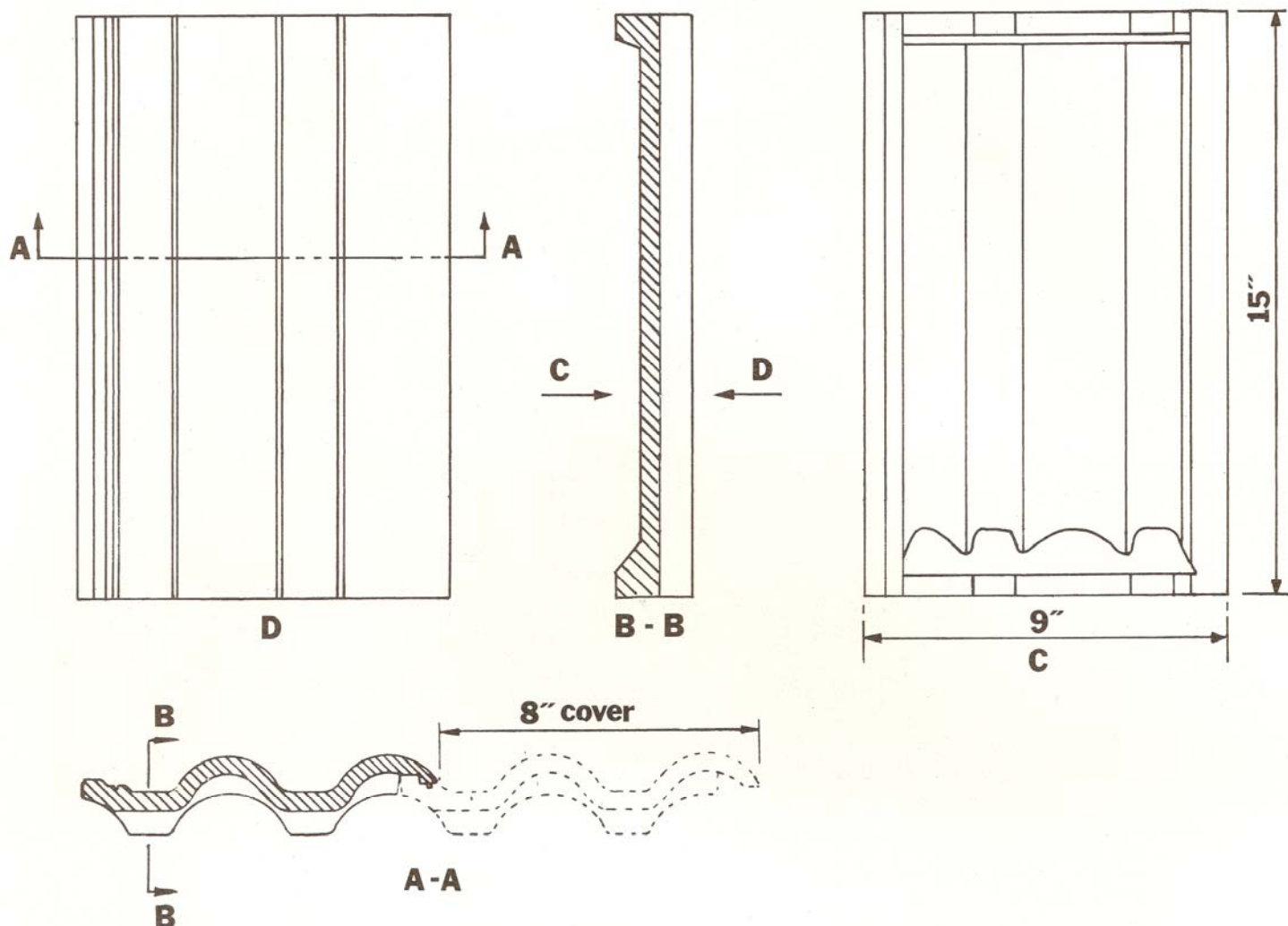
**LAMA TILE-WORKS
(SEREMBAN) Sdn. Bhd.,**

OFFICE: 5 Cameron Street, Seremban. Tel: 75886, 76351
FACTORY: 4th Mile Jelebu Road, Seremban.

Tel: 74566, 73104

also at

BUTTERWORTH and KUANTAN



SPECIFICATION

"LAMA" DOUBLE ROLL, SINGLE LAP ROOF TILES. SIZE 15" x 9"
COVER 150 TILES PER 100 SQ. FT. AT 3" HEADLAP.

Recommended minimum pitch without sarking 30 degrees or with sarking 15 degrees, dependent upon situation of roof.

Batten gauge (Maximum) 12". Headlap 3" Side lap 1". Weight per tile 5³/₄ lbs.

Batten gauge may vary according to the length of the main rafter, for instance: —

Rafter	No. of Courses	Batten Gauge	Lap	No. Per Square	Wgt. Per Square
12'0"	12	12"	3"	150	862 lbs.
13'6"	14	11 5/8"	3 3/8"	155	892 lbs.
14'0"	14	12"	3"	150	862 lbs.
15'6"	16	11 5/8"	3 3/8"	155	892 lbs.
17'0"	17	12"	3"	150	862 lbs.
18'6"	19	11 3/4"	3 1/4"	154	885 lbs.

The quality of our tiles has been assured since 1965. In that time no effort has been spared to attain further improvements in design, mixture, moulding, spraying, drying and transporting.

We assure you the best Everytime.

Kawat: WORKS

Talipon: 23271 K.L.

Fail kita: (203) in DPW

Fail tuan:

D. & R. 2139/52

IBU PEJABAT,
PERSEKUTUAN TANAH MELAYU
(P.W.D. Federal Headquarters),
MAXWELL ROAD,
KUALA LUMPUR

18th October, 1965

Lama Tile Works (Seremban) Ltd.,
4, Jalan Tuan Sheikh,
P.O. Box 99,
Seremban.

Dear Sir,

Testing Of 'LAMA' Concrete Roofing Tiles

I refer to your letter dated Nil regarding testing of above brand of concrete Roofing Tiles and append below the results of tests carried out on samples submitted.

Dimensions:—

Description	Dimension of Tile	B.S. 550—1956 Specification
Length	15"	15" \pm 3/16"
Width	9 1/16"	9" \pm 3/16"
Thickness	0.550"	Not less than 1/2"
Side Lap	1 1/16"	Not less than 1"
Width of Nib	1 1/2"	Not less than 1 1/4"
Thickness of Nib at base	5/8"	Not less than 1/2"
Depth of Nib	9/16"	1/2" to 3/4"
Nail Hole	One provided	—
Dia. of Nail Hole	1/4"	3/16" to 5/16"

Water Absorption:

Six samples of Tiles were immersed in water for a period of 24 hours and the percentage Water Absorption determined. The results were as follows:—

Sample No.	% Water absorption
1	8.1
2	8.0
3	7.9
4	8.4
5	8.0
6	8.6
Average	8.1%

B.S. 402 "Clay Plain Roofing Tiles" specifies an average Water Absorption of 10.5% Max.

Transverse Breaking Load:

Load tests were carried out on dry Tiles and also on Tiles soaked in water for a period of 24 hours, and at a span of 10". The Breaking Loads were as follows:—

Tiles soaked in water		Dry Tiles	
Sample No.	Breaking Load lbs.	Sample No.	Breaking Load lbs.
1			
450			
1	450	7	570
2	450	8	540
3	450	9	570
4	430	10	575
5	510	11	570
6	470	12	575
Average	460 lbs	Average	567 lbs.

B.S. 550 — 1956 "Concrete Interlocking Roofing Tiles" specifies the following for Breaking Load when tested at a span of 10"

On Wet Tiles	145 lbs (Min)
On Dry Tiles	200 lbs. (Min)

Permeability Test:

This test was carried out on a sample, and the average permeability was found to be 0.000289 ml/Mt./Sq. in.

B.S. 550 specifies that the permeability shall not exceed 0.00063 ml/Mt./Sq. in.

Please note that a bill covering the testing charges will be sent to you in due course.

Yours faithfully,
(signed)
for Director of Public Works,
States of Malaya.
(LEE CHOONG WOH)

KVCN/CML

工務局批准採用證明書

JABATAN KERJA RAYA

Kawat: WORKS

Talipon: 85262, K.L. -

Fail kita: (205) dlm DPW. D&R. 2139/52.

Fail tuan:

IBU PEJABAT,
PERSEKUTUAN TANAH MELAYU
(P.W.D. Federal Headquarters),
MAXWELL ROAD,
KUALA LUMPUR.

21hb Oktober, 1965

LAMA Tile-Works (Seremban) Ltd.,
No.4, Jalan Tuan Sheikh,
P.O.Box 99,
SEREMBAN.

Tuan₂,

'LAMA' CONCRETE ROOFING TILES

Reference your letter dated 20 hb
Oktober, 1965, it is confirmed that the Tiles
tested vide our (203) in DPW. 2139/52 dated
18hb Oktober, 1965 conform to the British Standard
Specification.

Yang benar,

W. Manson-Hing

b.p. Pengarah Kerja Raya,
Negeri₂ Tanah Melayu.
(WILLIAM MANSON-HING)

KVCN/ERdZ

南馬屋瓦

專為講求屋宅高尚美觀的人仕而製

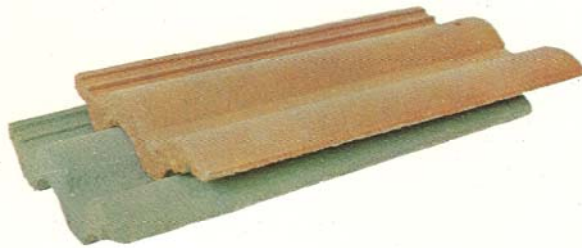
品質優良 經久耐用 交貨快捷 顏色美觀

每一片屋瓦的品質都比所指定的規格更優良
閣下如有要求，我們可提供真實樣本

超過整個世紀以來，我們都注重製造品質優良的屋瓦以便應付公共工程局工程，建築師，屋業發展商及私人企業家的需求，使我們在這方面擁有國際性的專門經驗。

我們自動化的屋瓦生產確保其品質優越。由攪混沙粒，設計模塑，準備顏色及噴色至最後的自然曬乾階段過程中，我們的屋瓦都經過嚴格的試驗，以維持品質高超。

我們保證所出品的每一片屋瓦，品質都比公共工程局(JKR)所指定的更優良。



出品

南馬洋灰瓦說明書

瓦 型：9寸x15寸

每 方 丈：150塊

重 量：5¾磅

顏 色：有六種顏色，(綠、黃、白、紅、灰、褐)任由選擇。

吸 水 率：8.1% (英國 402-1945 標準式，不超過 10.5%)

濕度壓力：460磅(英國 550-1956 標準式，不少過 145磅)。

乾度壓力：567磅(英國 550-1956 標準式，不少過 200磅)。

經馬來西亞公共工務局試驗結果，符合英國標準，

並發給試驗證明書，(203)IN.D.P.W.D & R.

2139/52.同時該局正式批准採用，批准書列

(205)IN. D.P.W. D.&R. 2139/52



Lama

南馬瓦廠(芙蓉)有限公司

辦事處：芙蓉金馬倫街五號。電話：75886, 76351

工 廠：芙蓉日叻務路四英里。

電話：74566, 73104

及

北海與關丹

Lama

Roofing Tiles
For the Homes of
particular people



For over a decade, our specialised global experience has been concentrated on producing the type of quality-tiles demanded by JKR Government projects, Architects, Housing Developers and Private Owners.

Our automatic production ensures the highest quality product. From sand-mixing, mould design, colour preparation and spray, right to the long natural drying stages, our tiles are regirously tested for quality.

We guarantee that every roofing tile supplied by us exceeds all specifications expected by JKR.

