	BK-PEMB-PK(P)-08-07	**Pindaan**	**00**
	BORANG KELULUSAN BAHAN/PEMERIKSAAN MOCK-UP	Mukasurat	**1 / 1**
		Tarikh	22.02.2022

BORANG KELULUSAN BAHAN/PEMERIKSAAN MOCK-UP

Fencing =
✓ Anti Climb
✗ Chain Link

Note: *Potong mana yg tidak berkenaan.

PROJEK: MEMBINA BALAI BOMBA DAN KUARTERS PUTATAN, SABAH. No. Kontrak : KPKT/BPEMB/JBPM/6/14/2021_____		**Kontraktor :** MTR ENGINEERING SDN.BHD.	
BUTIRAN KERJA KELULUSAN BAHAN/MOCK-UP/ DESKRIPSI ITEM SAMPEL: ROLL TOP FENCING		**Lokasi Mock-~~up~~/ Bahan/Kerja**: Kota Kinabalu	**Tarikh :** 22.02.2022
Model: **Kod Item:** **KIMMU ANTI CLIMB SERIES GALV FENCING**	**Pengilang:** UNITED GLORY INDUSTRY	**Negara Asal:** MALAYSIA	**Pengedar Tempatan:** KIMMU TRADING SDN BHD

PERAKUAN PERUNDING (ARKITEK) (*Jika projek R&B*):

Saya dengan ini mengesahkan bahawa cadangan bahan/peralatan/*mock-up* adalah mematuhi kehendak spesifikasi dan berfungsi seperti kehendak kontrak.

Disertakan

Katalog [/] Lukisan [ ] Sampel Bahan [/] Spesifikasi [ ] Sijil [/]

Sampel kerja [ ] *Mock-up* [ ]

Tandatangan Perunding Arkitek* Rujukan Pelan 200413/JBPM/Put/PI-50 Ar. Datu Alasim Datu Omar ARKITEK No. Pendaftaran LAM : A/D 17	**Jawatan/Cap Rasmi :** MTR akan kemukakan - chain link Fencap berasingan
Nama :	Tarikh : 24/2/2022

PERAKUAN KONTRAKTOR:

Saya dengan ini berjanji akan mematuhi kehendak CPP/Perunding* dan memastikan *bahan/peralatan/mock up/kerja yang dicadangkan mengikut spesifikasi dan berfungsi seperti di dalam kontrak.

Tandatangan Wakil Kontraktor	**Jawatan/Cap Rasmi** Pengurus pembinaan
Nama : **Sufian Bin Sutresno**	Tarikh : 22.02.2022

KEPUTUSAN ~~JKR~~ CPP:

Dipersetujui (*concurred*) [ ]

Walaupun perkara di atas telah dipersetujui, adalah menjadi tanggungjawab kontraktor bagi memastikan *bahan/peralatan/mock up/kerja mematuhi kehendak spesifikasi dan berfungsi seperti yang telah dinyatakan di dalam kontrak.

Ditolak dan perlu kemukakan semula [ ]

Tandatangan KUR*(Arkitek/M&E/C&S)/Wakil PP	Jawatan/Cap Rasmi
Nama :	Tarikh

*Nota: Potong mana yang tidak berkenaan.

United Glory Industry

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Fax: +607-437 6888 Email: sales@unitedglory.com.my
NO.55-1, Jalan Ledang, Taman Bandar, 83000 Batu Pahat, Johor, Malaysia.

www.unitedglory.com.my

ABOUT US

United Glory Industry Sdn. Bhd. is strategically situated at Batu Pahat, Johor. United Glory Industry Sdn. Bhd.(U.G.I.) is a Malaysian Gabion Manufacturer & Installer dedicated to providing high quality environmentally sensitive solutions for geotechnical, earth retention, erosion control, rockfall confinement and channel lining applications. U.G.I. is also provides consultation and design services to assist Engineers, Government Agencies, Land Developers and General Contractors.

United Glory Industry Sdn. Bhd. (U.G.I.) consider quality as one of the most significant criteria in this industry, the company has achieved ISO 9001 certified at year 2015.

Other products are including geosynthetics product, erosion control blankets, razor barbed wire and also security fencing (anti-climb fencing).

United Glory Industry Sdn. Bhd. (U.G.I.) is also active in overseas market such as Thailand, Cambodia, Indonesia, Myanmar and Australia.

ASTM INTERNATIONAL

MS ISO/IEC GUIDE 62:1999
QS 02121999 CB 01

SIRIM



UNITED ANTI-CLIMB SERIES

The distinguishing feature of United Anti-Climb is the very tight construction of its anti-scale and anti-cutting welded wire mesh. It's very difficult to get hand/ footholds on this fence and the cutting implements required to sever its welded heavy steel wire just can't fit into the minimal spaces of the mesh.



Mesh Spacing (mm)	Vertical (12.5/ 25)	Horizontal (75)
Wire Diameter (mm)	ø4.0	
Panel Size Height x Length (mm)	Height: 900 - 4200 Width: Maximum 2500 Interval Height: 300mm	
Post Specification (mm)	Option A: SHS Post 50 x 50 Option B: SHS Post 65 x 65 Option C: RHS Post 50 x 75 C/ W Flat Bar Fitting Carriage Bolt & Nut	
Finishing	• Hot-Dip Galvanized • Heavily Galvanized Wire • Powder Coating	

UNITED ROLLED-TOP FENCING SERIES

United Rolled-Top Fencing Series has been widely used in public and private properties areas which includes car parks, park's fence, schools, playground, pedestrian zone. It's an open mesh system that allow excellent visibility making it widely popular among communities. This series consists of several different designs cater for end-user requirement.

Rolled Top – FA & FB Series: A welded mesh panel with a rolled top and bottom edge for rigidity and safety.

V-Press (3D) Series: Upgrade version of BRC fence panel by creating a crest (V shape bend) at certain parts of panel to enhance rigidity of fencing.

Double Wire Series: Double Wire Fencing is made for extreme strength and longer lifespan.



Series	Rolled Top		V-Press	Double Wire
	FA	FB		
Mesh Spacing (mm)	Vertical: 50 Horizontal: 150	Vertical: 75 Horizontal: 300	Vertical: 50 Horizontal: 200	Vertical: 50 Horizontal: 150
Wire Diameter (mm)	ø5.0	ø6.0	ø5.0	ø5.0 (Main) ø6.0 (Cross)
Panel Size Height x Length (mm)	Height: 900 - 4200 Width: Maximum 2500 Interval Height: 300mm		Height: 930 - 4230 Width: Maximum 2500 Interval Height: 300mm	
Post Specification (mm)	Galvanized POST ø50, ø60 or ø75 (Galvanized U-CLIP & M6 Bolt, Nuts)			
Finishing	• Hot-Dip Galvanized • Heavily Galvanized Wire • Powder Coating			

SIRIM QAS International Sdn. Bhd. (410334-X)
No. 1, Persiaran Dato' Menteri, Section 2, P.O. Box 7035,
40700 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: 03-55445854/5856
Fax: 03-55445886
www.sirim-qas.com.my

TEST REPORT

REPORT NO : 2018CB0463	PAGE : 1 OF 2

This Test Report refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Report shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Managing Director, SIRIM QAS International Sdn. Bhd. Please refer overleaf of Page 1 for Conditions Relating to the Use of Test Report.

Applicant	:	KIMMU TRADING SDN. BHD. TL 60, Jalan Minyak Beku, 83000 Batu Pahat, Johor Darul Takzim.
Manufacturer	:	-Nil-
Product	:	KIMMU® ANTI CLIMB SERIES GALV. FENCING
Reference Standard/ Method of test	:	BS EN 10223-4:1998 – Steel Wire and Wire Products for Fences Part 4: Steel Wire Welded Mesh Fencing - Tensile Strength - Shear Strength - Coating Mass
Description of sample	:	Three (3) samples of Anti Climb Series Galv. Fencing were received for testing. Size : 4.0 mm x 12.5 mm x 75 mm x 1050 mm(H) x 1000 mm(L) Brand : KIMMU® ANTI CLIMB SERIES GALV. FENCING
Date Received of Complete Application	:	07th February 2018
Job No./Ref. No.	:	J20181430181/SQAS/CCST/T.REC/MSL/09
Description of test results	:	This test report covers only test clauses as requested by Applicant to SIRIM QAS International Sdn. Bhd. The test results for the submitted test samples as described in this test report complied with the requirements of the above reference standard at the respective clauses tested except clause 6.5 weld shear strength.
Issued date	:	18 APR 2018

Approved Signatory

(MOHAMAD RAZIQI SHA'DUN)
Testing Executive

SIRIM QAS INTERNATIONAL SDN. BHD. Civil & Construction Section

(YM RAJA NOR SIHA RAJA ABD. HANAN)
Head
Civil & Construction Section
Testing Services Department

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SAMPLE REFERENCE : KIMMU® ANTI CLIMB SERIES GALV. FENCING

STANDARD REFERENCE : BS EN 10223-4:1998

CLAUSE	REQUIREMENT		RESULTS	REMARKS
6.1 TENSILE STRENGTH				
Tensile Strength, R_m (N/mm^2)	Line wire	(350 to 950) N/mm^2	654	Pass
	Cross wire	(350 to 950) N/mm^2	666	Pass

SAMPLE REFERENCE : KIMMU® ANTI CLIMB SERIES GALV. FENCING

STANDARD REFERENCE : BS EN ISO 1461 : 2009 - (ISO 1461:2009(E))

CLAUSE	REQUIREMENT	RESULTS	REMARKS
COATING MASS*			
Coating Mass (g/m^2)	395 min.	492	Pass

Note : * Testing was conducted by Chemical & Consumer Section, Building 16.

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18 APR 2018

SIRIM QAS INTERNATIONAL SDN. BHD. Civil & Construction Section

CERTIFICATE

SIRIM QAS International hereby certifies that

UNITED GLORY INDUSTRY SDN. BHD.
NO. 55-1, JALAN LEDANG
TAMAN BANDAR
83000 BATU PAHAT
JOHOR DARUL TAKZIM
MALAYSIA

has implemented a Quality Management System complying with

ISO 9001:2015
QUALITY MANAGEMENT SYSTEMS – Requirements

Scope of Certification

MANUFACTURE HIGH QUALITY HEXAGONAL WIRE MESH WITH OR WITHOUT ADDITIONAL PLASTIC COATING.

Issue date	:	**24 September 2021**
Original certification date	:	**24 September 2021**
Expiry date	:	**23 September 2024**
Certificate no.	:	**QMS 03735**

Nur Fadhilah binti Muhammad
Chief Executive Officer
SIRIM QAS International Sdn. Bhd.

This certificate is granted subject to the terms and conditions as stated in the Certification Agreement.

SIRIM QAS INTERNATIONAL SDN. BHD.
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