



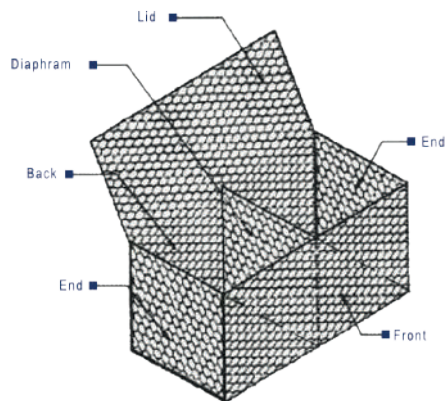
United Glory Industry

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UNITED GABION™

United Gabion™ is non-rigid structure constructed of double twisted hexagonal mesh cages filled with rocks to serves as retaining structures or surface protection against erosion. United Gabion™ allow free passage of water thus eliminates buildup of hydrostatic pressure behind retaining structures. Normally used at bottom of slope to increase toe weight or as retaining structure.



Typical United Gabion™ Sizes

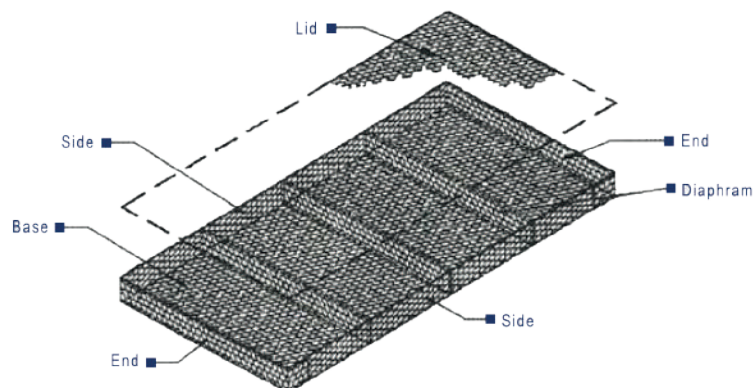
Length (m)	Width (m)	Height (m)
1	1	1
2	1	1
3	1	1
1	1	0.5
2	1	0.5
3	1	0.5
1	1	0.3
2	1	0.3
3	1	0.3

Standards Mesh Sizes

8 x 10	83mm x 114mm
6 x 8	64mm x 83mm

UNITED GABION™ MATTRESS

United Gabion™ Mattress or revet mattress is a special form of gabion with plan areas greater than its thickness. Fabricated from heavily galvanized with PVC coated double twisted hexagonal wire mesh, United Gabion™ Mattress provides protection against forces of water such as rainfall-induced erosion on slope surface or moving water on the riverbank.



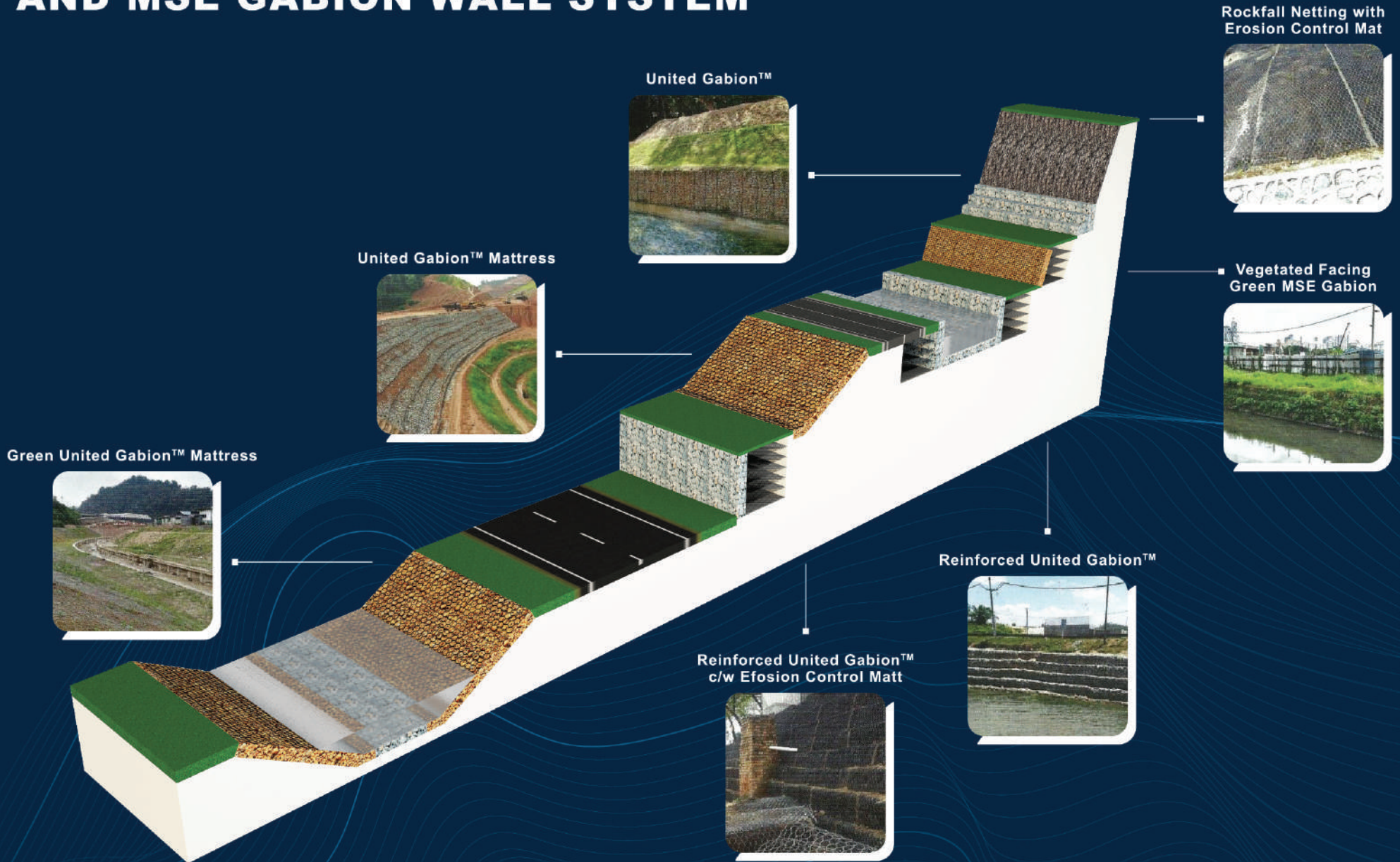
Typical United Gabion Mattress™ Sizes

Length (m)	Width (m)	Height (m)
3	2	0.17
6	2	0.17
3	2	0.23
6	2	0.23
3	2	0.3
6	2	0.3

Standards Mesh Sizes

8 x 10	83mm x 114mm
6 x 8	64mm x 83mm

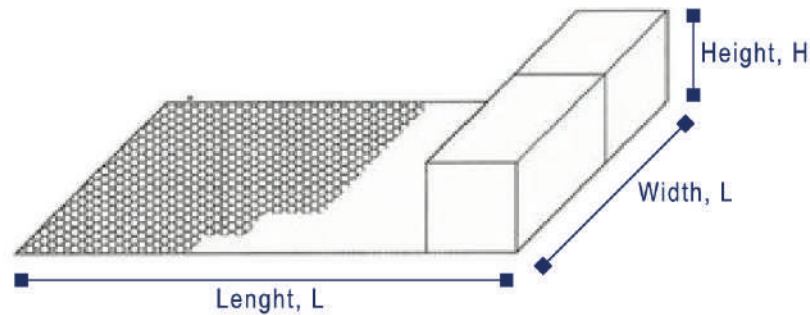
U.G.I HYDRAULIC SCOUR PROTECTION AND MSE GABION WALL SYSTEM



UNITED REINFORCED GABION (MSE)

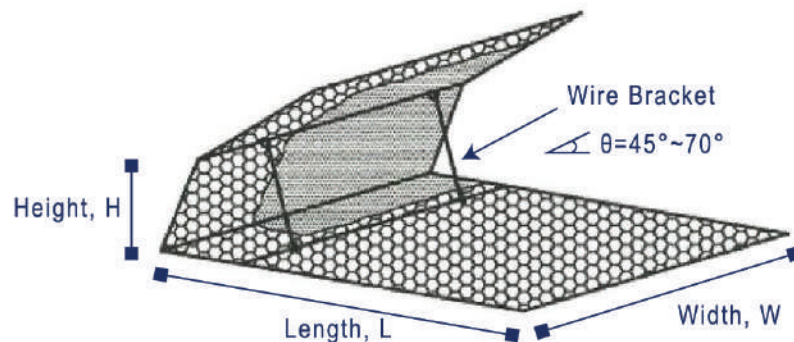
United Reinforced Gabion (RG) Slope System is a mechanically reinforced soil gabion wall fabricated from a continuous double twisted PVC coated wire mesh that makes up the gabion basket facing and the mesh reinforcement panel (or geogrid). Each unit should be placed in the direction the mesh is woven, lying parallel to the direction of soil stress.

The reinforcement mesh tensile strength shall be 47kN/m or greater, tested in accordance with ASTM A975-11.



UNITED GREEN MSE GABION

Green MSE (Mechanically Stabilized Earth System, Vegetated Facing) Gabion is a retaining structure fabricated from a continuous double twisted PVC coated mesh panel with a vegetated matting enclosed with a mesh reinforcement backing on the facia. This monolithic design allows the soil reinforcement and vegetated facia to offer strength, durability and flexibility.



Standards Dimension

Length (m)	Width (m)	Height (m)
3 & above	2	1, 0.5

Standards Dimension

Length (m)	Width (m)	Height (m)
3 & above	2	0.6, 0.45

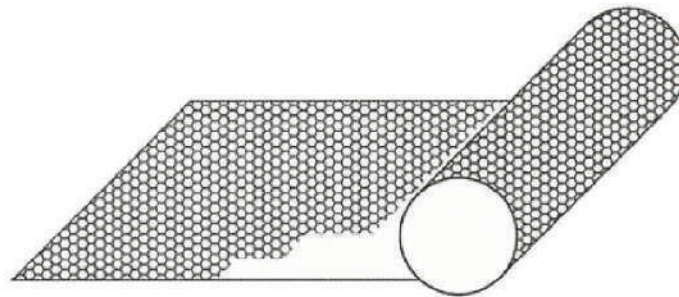
UNITED ROCKFALL NETTING

Characteristics of Protection with Hexagonal Steel Wire Mesh

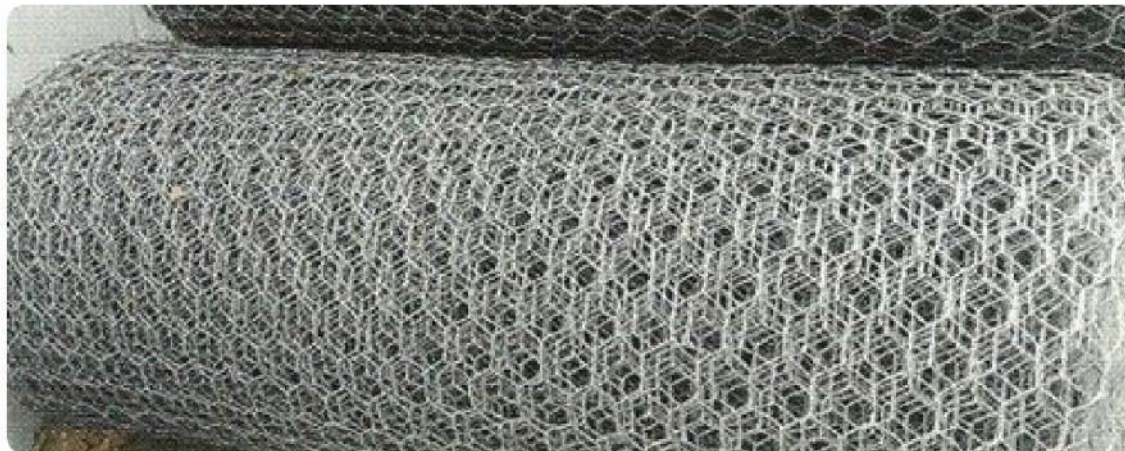
U.G.I. High-Resistance Netting is ideally suited for difficult solutions to rock face problems, since the double-twist, hexagonal-woven mesh does not unravel when wires abrade. Fractured stones are trapped and confined against the slope should isolated wires fatigue from prolonged stress. Additionally, this double-twisted hexagonal type of netting has the high mechanical resistance required to prevent the danger of sudden rock shock loads and dissipate rock fall energy created from loose fractured rock.

Standards Dimension

2m x 50m



Project Reference



PROJECT REFERENCE



Bukit Payong, Marang,
Terengganu Darul Iman



Sg. Benus, Bentong



Paya Rumpit - Sg Udang



Kg. Gadong Jaya,
Daerah Negeri Sembilan



Sg Parit Pekeliling, Johor



Paya Rumpit - Sg Udang

PROJECT REFERENCE



Lemi, Jelebu, Negeri Sembilan



Lembaga Lebuhraya Malaysia - Bangi



Sungai Linggi Fasa 4, Negeri Sembilan



Poeny Apartment, Kuala Terla



Masjid Tanah, Melaka



Bandar Tun Abdul Razak,
Jengka, Maran, Pahang

UNITED GEO – GEOTEXTILE

A geotextile is generally known as any permeable textile material used to increase soil stability, provide erosion control or aid in drainage. Different approach of manufacturing processes and material chosen result in common two type of geotextile for many circumstances, as following:

Non-Woven Geotextile

United Geo Non-Woven Geotextile is engineered to form a strong fabric designed to cater for general earthwork projects application such as drainage, filtration, separation, protection, stabilization and reinforcement.

Features:

- High elongation and therefore
- Adjustable to soil deformations
- Very good interface shear resistance
- Resistance to chemical and Biological degradation
- Quick and cost-effective installation
- Robust against on-site conditions
- combines filtration properties and high-water permeability
- high resistance to puncture and abrasion
- large choice of thickness of material (weight)
- top level protection at high strain

General application as below:

- Pavement
- Roads
- Railroads
- Structures
- Separation & Stabilization
- Filtration
- Soil Reinforcement (MSE Walls & Slope Reinforcement)
- Silt Fence

Woven Geotextile

Woven geotextiles are manufactured with high tensile strength and low elongation for erosion control, stabilization, and aggregate separation. Offering an increased grab tensile strength, woven geotextile fabrics offer a robust design that allows them to be used in most of the earthwork projects.

Features:

- High tensile strength and low elongation provides dimensional stability
- Requires less aggregate, reducing the overall thickness of the road
- Increases performance life of the road
- Withstands tough construction loading
- Resistant to ultraviolet degradation
- Resistant to biological clogging
- Unique twill pattern creates superior hydraulic characteristics

General application as below:

- Steep slopes
- Retaining walls
- Waterworks, erosion control of earth dam slopes, river and lake embankments
- Erosion control of sea embankments, ocean and bay shores
- Breakwater and jetties on soft soil seabed
- Land reclamation with hydraulic fill
- Embankments on compressible soil

Non-Woven Geotextile ■



UNITED GEO

Needle Punched Nonwoven Geotextile

PROPERTIES	TEST STD	UNIT	UG 20	UG 30	UG 40	UG 50	UG 60	UG 70	UG 80	UG 90	UG 100	UG 110
Tensile Strength	ISO 10319	kN/m	9.5	11	14	15	17	22	24	33	39	41
Tensile Elongation	ISO 10319	%	40	40	40	50	50	50	50	50	50	50
CBR Puncture	ISO 12236	N	1500	1700	2200	2350	2800	3500	4000	5350	6150	7150
Vertical Water Flow 50mm Head	ISO 11058	mm/s	110	105	80	75	70	58	48	40	35	30
Nominal Mass	ISO 9864	g/m ²	130	150	190	210	240	300	350	500	600	700
Thickness 2kPa	ISO 9863	mm	1.2	1.4	1.7	1.9	2.1	2.6	2.9	3.9	4.3	5.2
Grab Strength	ASTM D4632	N	550	650	810	900	1000	1250	1430	2150	2800	3100
AOS 095	ASTM D4751	mm	0.27	0.26	0.23	0.21	0.2	0.19	0.18	<0.075	<0.075	<0.075
Permittivity	ASTM D4491	s-1	2.9	2.6	2.1	2	1.9	1.7	1.7	0.95	0.85	0.7
Form of Supply												
Width		m	4	4	4	4	4	4	4	4	4	4
Length		m	250	225	200	175	125	125	100	65	55	45
Area		m ²	1000	900	800	700	500	500	400	260	220	180

For the optimisation and improvement process of the technical characteristics of the products, the producer reserves the right to modify standard and characteristics at the product without any warning. The information contained herein is to the best of our knowledge accurate, but since the circumstances and conditions in which it may be used are beyond our control, we do not accept any liability for any loss or damage, however arising, which results directly or indirectly from the use of such information nor do we offer any warranty or immunity against patent infringement.



UNITED WELDED GABION

We supply WELDED GABION , the highest- quality welded wire mesh products for soil retention.



APPLICATIONS FOR Welded Gabion



Park Landscape



Home Decoration



Protect Soil Erosion



Retaining Wall

Welded Gabion Size	Wire Diameter	Mesh Size
1m x 1m x 1m	3mm (Heavy Galvanized Wire)	83mm x 83mm

UNITED FLOOD BARRIERS

UNITED flood barriers can be deployed quickly and easily. They enable you to construct flood defenses without the need for specialized tradesmen or equipment

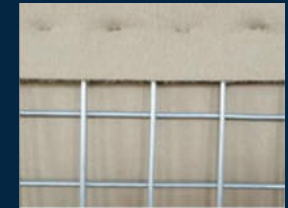


National Standard

Product Advantage



Collapsible



Anti-corrosion



Various Specifications



Easy Installation

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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Hot-Dip Galvanized • Heavily Galvanized Wire • Powder Coating 			

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.

