



# United Glory Industry

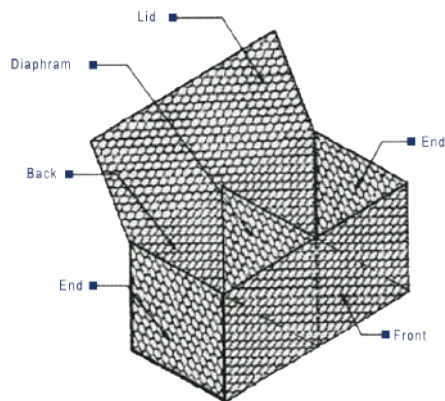
---

Phone: +607-428 0888 / 012-782 9566    Whatsapp: 012-782 9566  
Fax: +607-428 0888    Email: [sales@unitedglory.com.my](mailto:sales@unitedglory.com.my)  
NO.PTD 5971, JALAN SUNGAI SULUH, MUKIM MINYAK BEKU, 83000  
BATU PAHAT, JOHOR, MALAYSIA.

[www.unitedglory.com.my](http://www.unitedglory.com.my)

# 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

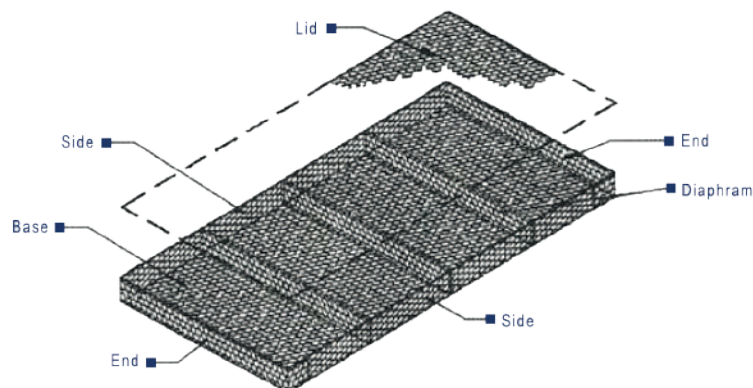
Length (m)	Width (m)	Height (m)
1	1	1
2	1	1
3	1	1
1	1	0.5
2	1	0.5
3	1	0.5
1	1	0.3
2	1	0.3
3	1	0.3

## 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.



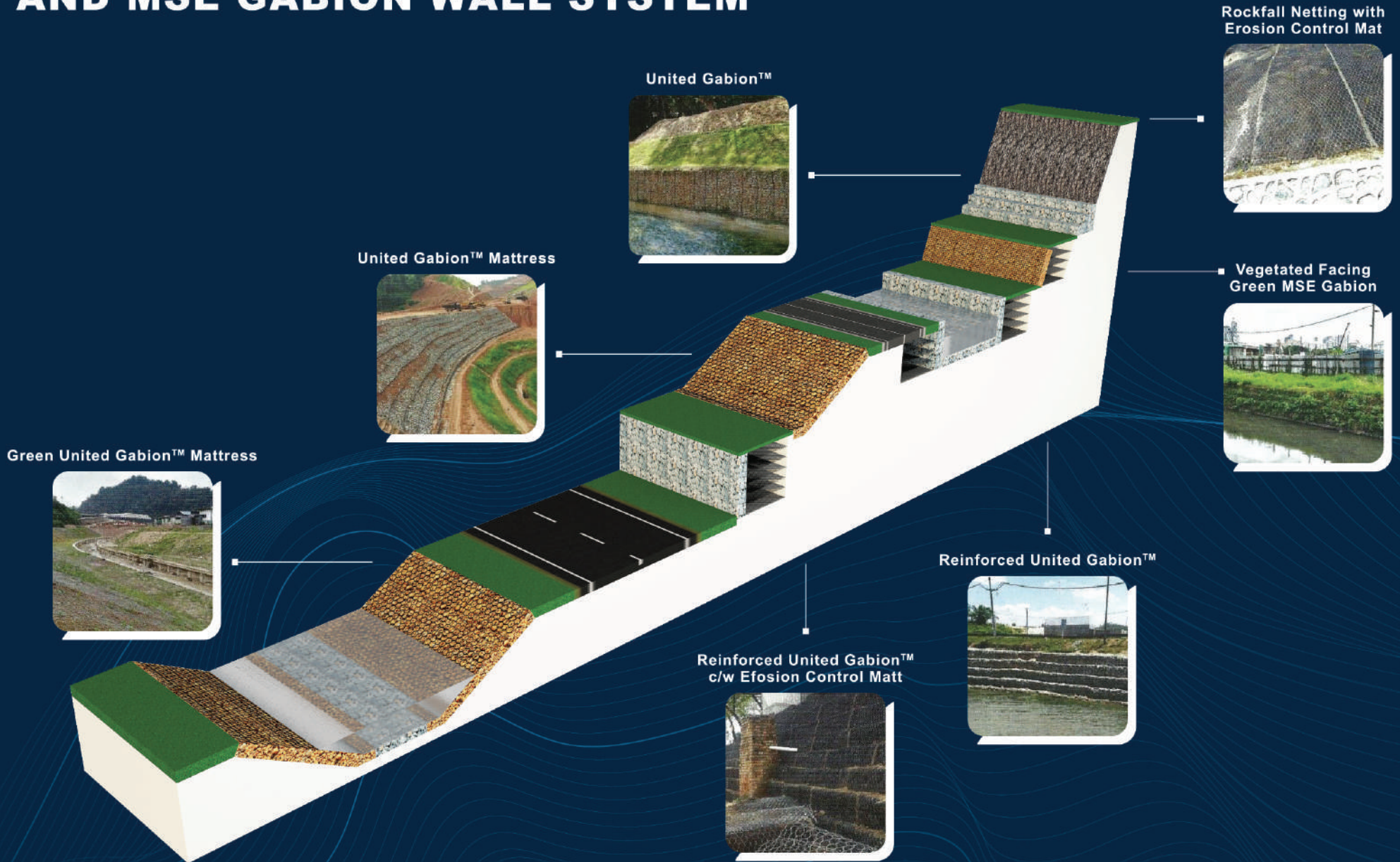
## Typical United Gabion Mattress™ Sizes

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

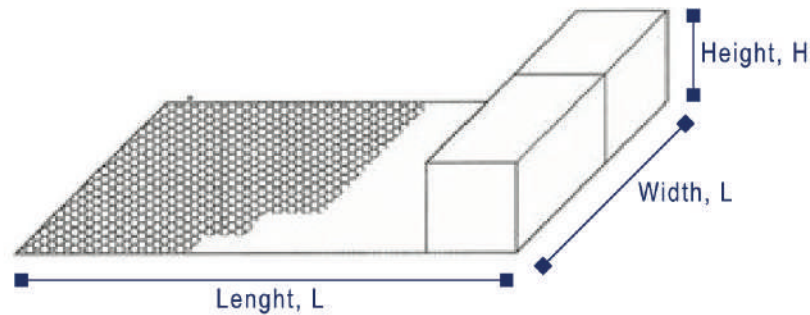
# U.G.I HYDRAULIC SCOUR PROTECTION AND MSE GABION WALL SYSTEM



# UNITED REINFORCED GABION (MSE)

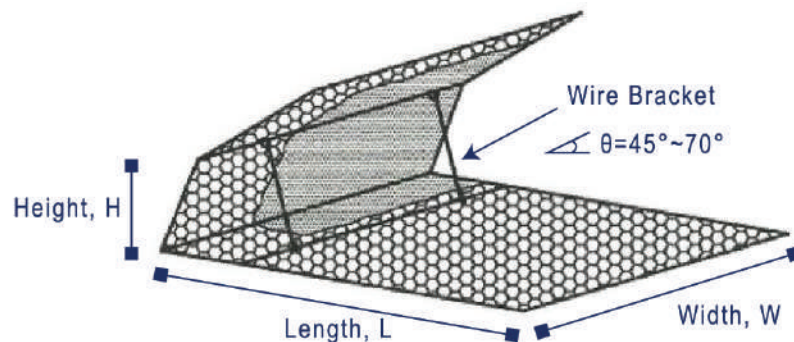
United Reinforced Gabion (RG) Slope System is a mechanically reinforced soil gabion wall fabricated from a continuous double twisted PVC coated wire mesh that makes up the gabion basket facing and the mesh reinforcement panel (or geogrid). Each unit should be placed in the direction the mesh is woven,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

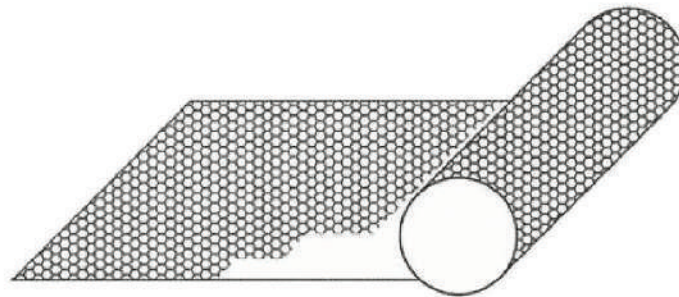
# UNITED ROCKFALL NETTING

## Characteristics of Protection with Hexagonal Steel Wire Mesh

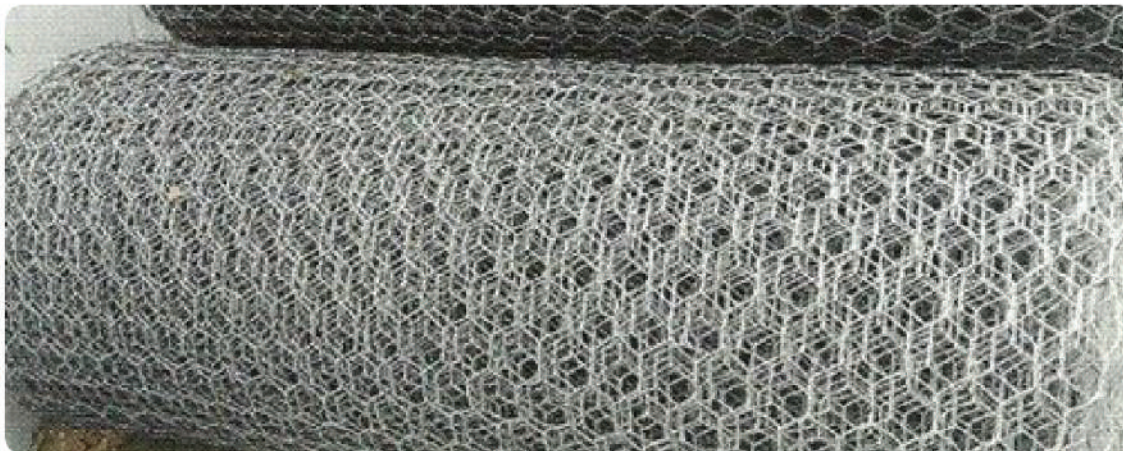
U.G.I. High-Resistance Netting is ideally suited for difficult solutions to rock face problems, since the double-twist, hexagonal-woven mesh does not unravel when wires abrade. Fractured stones are trapped and confined against the slope should isolated wires fatigue from prolonged stress. Additionally, 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



# 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 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"> <li>• Hot-Dip Galvanized</li> <li>• Heavily Galvanized Wire</li> <li>• Powder Coating</li> </ul>	

# 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"> <li>• Hot-Dip Galvanized</li> <li>• Heavily Galvanized Wire</li> <li>• Powder Coating</li> </ul>			

# 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.

