

# ANPING TAILONG

HARDWARE&WIRE MESH PRODUCTS CO.,LTD

**TLWY<sup>®</sup>**  
**TaiLong Fence**



**EXPLOSION-PROOF GABION MESH**  
**GABION NET**



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## Explosion-proof Gabion Mesh

Explosion-proof gabion mesh is a type of protective fencing system typically used in areas where there is a risk of blasts, such as military zones, industrial sites, or even in the protection of infrastructure. The gabion mesh is usually made of high-strength steel wire or welded wire, designed to contain materials (like rocks, stones, or sand) that absorb and disperse the energy from explosions. Explosion-proof gabion mesh is made of high-strength steel wire, which is highly impact-resistant, modularly designed for stacking, and has good shock absorption.





## DESCRIPTION

**Product Name:** Defensive barrier, Defensive bastion, Defensive sand wall

**Product Type:** Welded mesh

**Material:** Galvanized steel wire or Galfan/zinc-5% aluminum wire

**Wire Diameter:** 4.0-6.0mm

**Geotextile:** 250g-400g

**Geotextile Colour:** Sand color, Brown, Gray, and Green

**Mesh Hole:** 76.2mm X 76.2mm, 50mm X 50mm, 75mm X 75mm, 100mm x 100mm



## Advantages of Explosion-Proof Gabion Mesh

**Cost-Effective:** Gabion walls are relatively inexpensive compared to traditional concrete or brick walls.

**Environmental Integration:** They blend well with the environment and can be planted with vegetation for further camouflage and aesthetic benefits.

**Ease of Installation:** Since gabions are modular, they are easy to transport and assemble on-site.

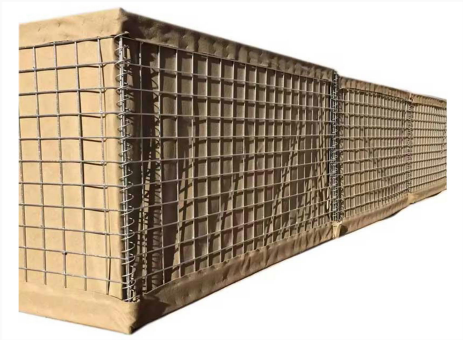
## Applications of Explosion-Proof Gabion Mesh

**Military and Defense:** Often used in military bases, airfields, and conflict zones to protect personnel, equipment, and buildings from bomb blasts.

**Industrial Facilities:** Used around chemical plants, refineries, or other sites where the risk of explosions is significant.

**Public Infrastructure:** Installed around critical infrastructure like power plants, bridges, and transportation hubs to prevent damage from external explosions.

Geotextile Color



Earthy-Yellow



Military-Green

Production Flow Chart



Galvanized Wire



Teel Wire Straightening And Cutting



Woven Mesh



Adding Reinforcing Ribs



Frame Construction



Finish

Package & Delivery



PACKAGE



DELIEVRY

# FEATURES

Explosion-proof gabion mesh (also called explosion-proof gabion baskets or explosion-proof gabion boxes) is a protective device used to protect important facilities or areas from hazards such as blast waves and shrapnel. It is typically made of wire mesh and filled with stones, and is widely used in military, industrial, and transportation fields.

## Features of Explosion-Proof Gabion Mesh:

### ✔ Impact Resistance

Explosion-proof gabion mesh effectively absorbs and disperses the shock waves generated by an explosion, reducing the impact of the shock waves on the surrounding environment. The stones in the gabion structure have good impact resistance, effectively mitigating the impact of an explosion and preventing injury.

### ✔ High-Strength Mesh Structure

Explosion-proof gabion mesh is made of high-strength wire mesh, which has high tensile strength and is not easily damaged. The wire mesh used is usually hot-dip galvanized or PVC coated to prevent corrosion and increase its service life.

### ✔ Flexible Installation

Gabion mesh can usually be installed and spliced on-site as needed, offering high flexibility and suitability for protected areas of different shapes and sizes. Gabion mesh can be laid flat or stacked to different heights to meet various protection requirements.

### ✔ High Adaptability

It can be used in various environmental conditions, such as mountainous areas, high-temperature regions, or extremely cold regions. It adapts to uneven ground, ensuring effective protection.

### ✔ Cost-Effectiveness

Compared to some complex explosion-proof facilities, gabion mesh has lower material costs and is simple to install, making it economical and practical. Gabion mesh can use local stone as filling, further reducing costs.

### ✔ Environmentally Friendly and Sustainable

Explosion-proof gabion mesh uses natural stone as filling, offering excellent environmental friendliness. Gabion mesh materials are easy to recycle and reuse, aligning with sustainable development principles.

### ✔ Aesthetically Pleasing and Seamless Integration

The appearance of gabion mesh can be customized with different types of stone to better integrate it into the landscape. It is particularly suitable for locations requiring both aesthetics and protective functions, such as parks, roads, or scenic areas.

## Application Scenarios:

### ✔ Military Field

Used to protect military bases and facilities from explosives.

### ✔ Industrial protection

Used in high-risk industries such as chemical plants and oil facilities to protect equipment and personnel.

### ✔ Transportation safety

Slope protection for highways and railways to reduce the risks of explosions, landslides, etc.

### ✔ Water conservancy projects

Preventing dams and dikes from being affected by disasters such as explosions.



APPLICATION



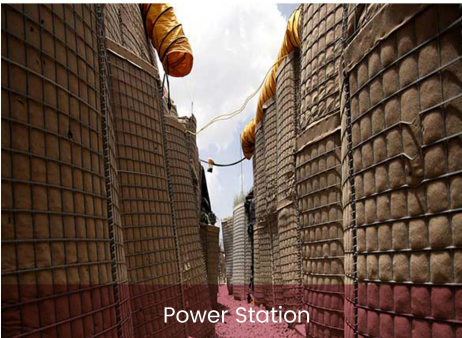
Dam



Explosion-Proof Wall



Military Base



Power Station



Radar Station



Weapon Depot



Production-Workshop-1



Production-Workshop-2



Production-Workshop-3



Warehouse-1



Warehouse-2



Warehouse-3



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