

# Gabion & Reno Mattress

Gabion is a common construction tool for containing rocks. Gabions can be placed and stacked to form a flexible, permeable, monolithic structure. Maccaferri developed the gabion in Italy 140 years ago and brought the product to Hong Kong in the early 1970s. The mesh comprises double-twisted zinc-PVC-coated steel woven wire in accordance with EN10223-3 and EN10245-1.



## Features of Gabion

- ☐ Double-twisted unraveled configuration
- ☐ Durable to the natural environment
- ☐ Highly permeable
- ☐ Coating life expectancy of more than 120 years
- ☐ BBA certified

## Characteristics

- ☐ Follow EN10223-3 and EN10245-1 standards
- ☐ Heavily galvanized steel wire
- ☐ PVC coating
- ☐ Customized dimension
- ☐ Available in circular and triangular shapes

## Applications

- ☐ Coastal protection
- ☐ Architectural feature
- ☐ Marine engineering
- ☐ Gravity structure
- ☐ Revetment
- ☐ River training
- ☐ Butress barrier



**River Training**  
May 2010



**Soil Retainment Butress**  
June 2025



**River Channel Alignment**  
January 2009



**Drainage Improvement**  
November 2008



**Gabion Buttress**  
December 2023



**Embankment Protection**  
June 2014

# Different Applications of Gabion

## Slope Mitigation – Check Dam



*LPM, Luard Road, November 2015*

## Architectural Feature



*Shek Mun Estate, August 2019*

## River Training



*Drainage improvement, May 2010*

## Coastal Protection



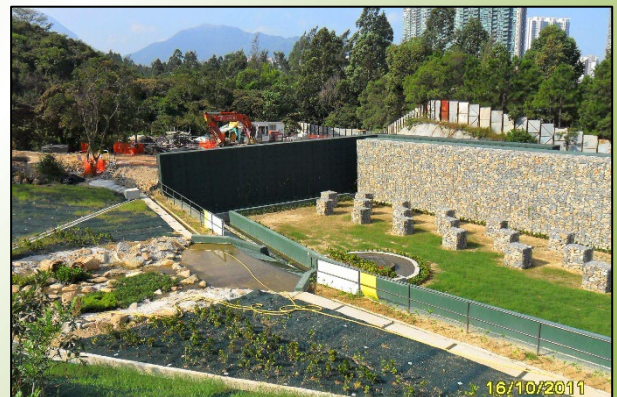
*Tai O Development, December 2004*

## River Embankment Stability



*Improvement to Lam Tsuen River, January 2006*

## Rigid Barrier



*LPM, Cheung Tung Road, March 2013*