



# CROSS49 SUPPLIES & RENTALS FILTER UNIT ROCK BAGS

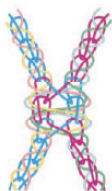
EARTHWORKS • CONSTRUCTION • MARINE • EMERGENCY

Filter Unit Rock Bags are a revolutionary solution for a wide range of applications in the construction and environmental sectors. Crafted with the utmost durability and efficiency in mind, this innovative net combines the strength of polyester with the natural power of rocks. Designed to withstand the harshest conditions, Filter Unit Rock Bags offer unparalleled protection and versatility for a multitude of projects. Its supple and flexible fiber allows it to adapt seamlessly to all types of soils and reliefs, ensuring a perfect fit for every environment.

With Filter Unit Rock Bags, you can achieve exceptional results while promoting sustainability and protecting our natural surroundings.

## APPLICATIONS

- Embankments
- Earthworks
- Harbour Defenses
- Emergency Interventions
- Temporary Installations
- Bridge Pile Protection
- Ballast for Sub-Sea Pipes
- River Bed/ Bank Construction
- Shore Preservation
- Anti-Scouring Protection
- Artificial Reefs
- Ecosystem Creation



### STRUCTURE OF THE MESH

- The specific structure of the Raschel® mesh guarantees the stability of the filter Unit by preventing the mesh thread from unraveling even if there is a break.
- Highly resistant to impacts and pressure

### SYNTHETIC FIBER MATERIAL

The Filter Unit is made of polyester and is ideal for all hydraulic works as it is non-corrosive, rot proof, non-rusting and weather-resistant.

- Suppleness and flexibility of the fiber makes it adaptable to all soils and reliefs
- Increased speed of execution
- Extended lifetime



**ECOGREEN  
TYPE  
DOUBLE NET  
RECYCLED  
POLYESTER**



**S TYPE  
DOUBLE  
MESH  
RECYCLED  
POLYESTER**

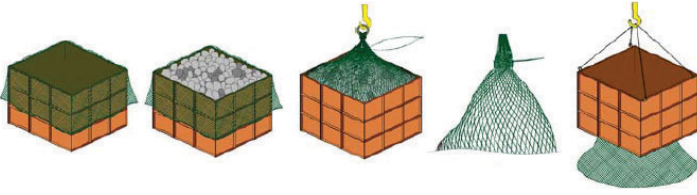




## FILLING

Filter Units are filled with materials like stones, pebbles, etc.

1. Place Filter Unit in box
2. Fill with material
3. Attach ring and seal
4. Lift off the box.
5. Use the ring to lift and position the Filter Unit.



## HIGHLY MANEUVERABLE

Filter Units allow rapid and easy use, minimizing positioning time, which substantially reduces installation and labor costs.

## RING

Supplied with a cast-iron ring, each Filter Unit conveniently connects the 6 fastening points of the lifting rope, simplifying placement and enabling net linking using ropes.



## PRODUCTION BOX

The Filter Units are filled using a production box (rental or purchase available), which also serves as a pre-dimensioned filling measure.



## RESISTANCE TO CURRENTS (without being moved)

TONNAGE PER FU	UNIT	GROUPED
2 tons	3.1m/sec	4.7m/sec
4tons	3.5m/sec	5.3m/sec
8tons	3.9nm/sec	5.9m/sec

Safety margin/weight + 1.5 included

## STANDARDS

- Roads and other trafficked areas EN 13249
- Railways EN 13250
- Earthworks, foundations, retaining structures EN 13251
- Erosion control works (coastal protection and bank revetments) EN 13253
- Reservoirs and dams EN 13254
- Canals EN 13255
- Tunnels and underground structures EN 13256
- Solid waste disposals EN 13257

**ECOGREEN TYPE** for all applications, durability under UV exposure 30 years.

ECOGREEN	Mesh Size	Unit Weight FU empty	Dimensions in meters, FU installed			Resistance to currents without being moved		Recommended granulometry of the stuffing material
			Height	Diameter	Volume	Unit	Grouped	
2tons	25mm	6kg	0.4m	1.9m	1.25m <sup>3</sup>	3.1m/s	4.7m/s	50mm
4tons	25mm	13kg	0.6m	2.4m	2.5m <sup>3</sup>	3.5m/s	5.3m/s	50mm

**S TYPE** for maritime applications, durability under UV exposure 30 years.

S TYPE	Mesh Size	Unit Weight FU empty	Dimensions in meters, FU installed			Resistance to currents without being moved		Recommended granulometry of the stuffing material
			Height	Diameter	Volume	Unit	Grouped	
8tons	50mm	48kg	0.7m	3.0m	5.0m <sup>3</sup>	3.9m/s	5.9m/s	75mm

Safety margin/weight=×1.5included

Specific gravity of stuffing stones 2.6-2.65, it is possible to use maximum diameter 200mm for all types

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