

Filter Unit Rockbags

The ECOGREEN solution



A proven, flexible, simple solution...

Highly durable, double layered, CE-certified, UV-resistant nets made from recycled polyester (PET) and filled with aggregate for a wide range of applications for the civil engineering sector.

REACH certified **FILTER UNITS** integrate effectively with the challenging topographic watercourse environments, while also maintaining and supporting flora and fauna, encouraging natural growth.

A key feature of the **FILTER UNIT** solution is the unique flexibility of the net, that allows the system to easily adapt to uneven slopes and surfaces. **FILTER UNITS** can be quickly produced and rapidly installed.

Since the filling material is held together by the mesh structure it will not be washed away, **FILTER UNITS** are a one-off action avoiding extensive maintenance work while harnessing the natural environment.

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Filter Unit Rockbags are available in 3 sizes:

filling quantity = type	mesh size	stone size	Empty FU	dimensions of filled FU			resistance to flow speed	
				dia- meter	height	volume	single	grouped
2 t Ecogreen	25 mm	50 - 200 mm	6 kg	1.9 m	0.40 m	1.25 m ³	3.1 m/s	4.7 m/s
4 t Ecogreen	25 mm	50 - 200 mm	13 kg	2.4 m	0.60 m	2.5 m ³	3.5 m/s	5.3 m/s
8 t (S- type)	50 mm	75 - 200 mm	48 kg	3.0 m	0.70 m	5.0 m ³	3.9 m/s	5.9 m/s

By using a production frame the nets can be easily filled without additional measurement of the stones. The final mass of the **Filter Units** is depending on the density of the aggregate used and its size/filling rate. Recommended gravity: 2.6 to 2.65. **Filter Units** can be installed by using for example an excavator, crane, telehandler.

FILTER UNITS can be used - temporarily or permanently - as riverbed or riverbank protection, scour protection, for creating temporary roads or dams, as a dike foot protection, embankment protection, coastal protection, emergency response, ...

