

# Secumat® Green Coco M

 Naue

The biodegradable coir mat



[naue.com](http://naue.com)

Building on sustainable ground.

**Secumat® Green Coco M** is a sustainable, temporary erosion control solution. This coir fibre mat is quilted on both sides with a carrier made of jute fabric and jute fibres. The filling is 100% biodegradable, untreated coir fibre. The fibre structure acts as a separating and coarse filter layer and effectively reduced the erosive energy of precipitation and flowing water.

The Secumat® Green Coco M 450 coir filling also protects the vegetation growing underneath against significant temperature fluctuations and reduces evaporation of water close to the surface.

## Typical applications for Secumat® Green Coco M

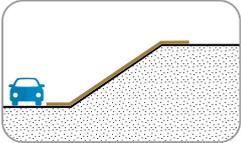


Figure 1:  
Soil retention  
on slopes

### 1. Vegetating slopes

Secumat® Green Coco M quickly establishes a natural appearance on slopes on infrastructure construction projects. Slope inclinations of up to 40° can be accommodated. Secumat® Green Coco M thus creates areas of biological diversification in urban environments. Habitats are generated for microorganisms such as insects and this contributes to improving the climate. (Fig. 1)

### 2. Trough vegetation

The closed surface of Secumat® Green Coco M provides more stable filtration and reliable soil retention which reduces the risk of soil erosion and supports initial greening. (Fig. 2)

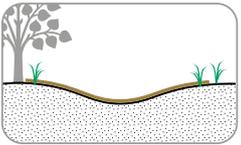


Figure 2:  
Coir mats as vegetation  
support in troughs

### 3. Trickle protection in facing systems

Coir mats can also be used in facing systems. The Secumat® coir mat in the front of the facing provide trickle protection and facilitate vegetation for quick integration of the surface into the landscape. (Fig. 3)

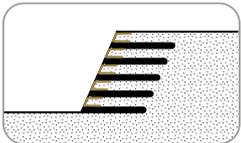


Figure 3:  
Controlled water flow in  
infrastructure projects

## Benefits of using Secumat® Green Coco M

Secumat® Green Coco M is a 100% biodegradable, areal erosion control product which is easy to install. A soil cover is not necessary and there is no need for cost-intensive deconstruction.

A uniformly high quality is ensured due to the continuous mechanical production method. The high levels of lignin ensure the coir fibres break down slowly. The jute net enclosing the Secumat® Green Coco M provides high water absorbency which supports the moisture balance in the soil.

The gradual degradation of the different components results in a functional time up to 36 months which provides plants with more and more room in which to grow.



2 Figure 4: Secumat® Green PinW 30



Figure 5: Secumat® Green Coco M 450



Figure 6: Secumat® Green Coco M 450



Figure 7: Stacked rolls of coir mats

## Benefits of Secumat® Green Coco M 450

- Secumat® Green Coco M 450 is particularly cost-effective as it requires minimal maintenance and does not generate any disposal costs.
- It is particularly quick and easy to install and does not have to be covered.
- Coir mats can be used in many different applications with slopes gradients of > 40°.
- It offers the ideal biodegradable solution for cases where the development of vegetation requires no more than 36 months until it is fully established.
- Secumat® Green Coco M 450 can therefore be used in a wide range of applications with a high level of safety.

## Secumat® Green Coco M 450 packaging

Secumat® Green Coco M 450 coir mats are supplied in rolls:

Product	Property	Value
Secumat® Green Coco M 450	Weight per unit area	450 g/m <sup>2</sup>
	Roll dimension (W x L)	2.4 m x 50 m

We recommend fixing Secumat® Green Coco M 450 with Secumat® Green PinW 30 wooden pins. (Fig. 4)



Figure 8: Coir mats on a slope



Figure 9: Coir mats as facing

