

# Secumat® Green Jute N

 Naue

The biodegradable jute net



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

Building on sustainable ground.

**Secumat® Green Jute N** is a sustainable, temporary erosion control solution. It comprises a warp (vertical) and weft (horizontal) woven net with displaceable openings in the net. It is made from 100% untreated jute fibres which have a natural variance in thickness when spun and is completely biodegradable.

Secumat® Green Jute N 500 20x30 acts as a simple means of supporting vegetation. It is used as a moisture depot and a shadowing to support initial vegetation and minimise erosion.

## Typical applications for Secumat® Green Jute N

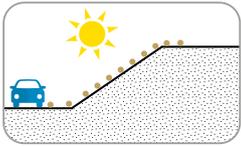


Figure 1:  
Vegetating aid  
for areal slopes

### 1. Vegetating aid for infrastructure

Secumat® Green Jute N is used in infrastructure projects to secure areal surfaces (gradient up to approx. 10°) where the threat of erosion is low. It is suitable for use wherever initial vegetation is to be supported for a period of no more than one year. The established plants protect and secure the slope against erosion. (Fig. 1)

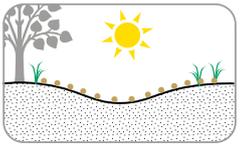


Figure 2:  
Trough secured against  
erosion with jute net

### 2. Protecting troughs

Using Secumat® Green Jute N reduces the erosive effect of precipitation and promotes the water retention properties of the soil. The microclimate is also improved at the same time. The use of jute net can be a positive support for the water supply particularly in critical development phases such as during dry periods. (Fig. 2)

### 3. Protection against soil intrusion in still water bodies

Secumat® Green Jute N provides effective protection against unwanted soil intrusion on areal slopes above still water bodies. It is particularly suitable where the risk of erosion due to the soil properties and the topography is considered to be low.

By supporting initial vegetation during the germination phase, the jute net promotes rapid, near natural integration of the surface into the landscape. (Fig. 3)

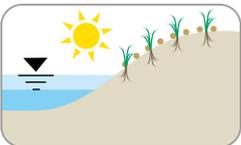


Figure 3:  
Secumat® Green Jute N  
on still water body

## Benefits of using Secumat® Green Jute N

Secumat® Green Jute N is a 100% biodegradable, areal erosion control product which is easy to install. A soil cover is not necessary.

The composition of the bast fibre means jute has a particularly high water absorbency. Jute nets are therefore particularly suitable for semi-arid areas where water-scarce phases follow short periods of precipitation. Secumat® Green Jute N acts as a water reservoir and gradually releases the water during the dry phases.

Secumat® Green Jute N supports initial vegetation during the germination phases, particularly in dicotyledons. These develop particularly quickly in the loose weave of the open-net jute fibres to form a continuous vegetative layer.



2 Figure 4: Secumat® Green PinW 30



Figure 5: Jute net with wooden pin



Figure 6: Baled jute nets



Figure 7: Secumat® Green Jute N 500 20x30

## Benefits of Secumat® Green Jute N 500 20x30

- Secumat® Green Jute N 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.
- Jute nets can be used in many different applications with slope gradients of  $< 10^\circ$ .
- Secumat® Green Jute N 500 20x30 offers the ideal biodegradable solution for projects where the development of vegetation requires no more than 12 months until it is fully established.

## Secumat® Green Jute N 500 20x30 packaging

Secumat® Green Jute N is delivered baled in ten panels:

Product	Property	Value
Secumat® Green Jute N 500 20x30	Weight per unit area	500 g/m <sup>2</sup>
	Mesh size (Warp x Weft)	20 mm x 30 mm

Standard dimensions	Property	Value
Bale	Dimension (W x L x H)	0.4 x 1.3 x 0.6 m
	Total surface area	610 m <sup>2</sup>
	Weight	305 kg
	Quantity	10 panels/bale
Panel	Dimension (W x L)	1.22 x 50 m
	Total surface area	61 m <sup>2</sup>
	Weight	30.5 kg

We recommend fixing Secumat® Green Jute N 500 20x30 with Secumat® Green PinW 30 wooden pins. (Fig. 4)



Figure 8: Jute nets on a slope



Figure 9: Jute nets as erosion control by a road

