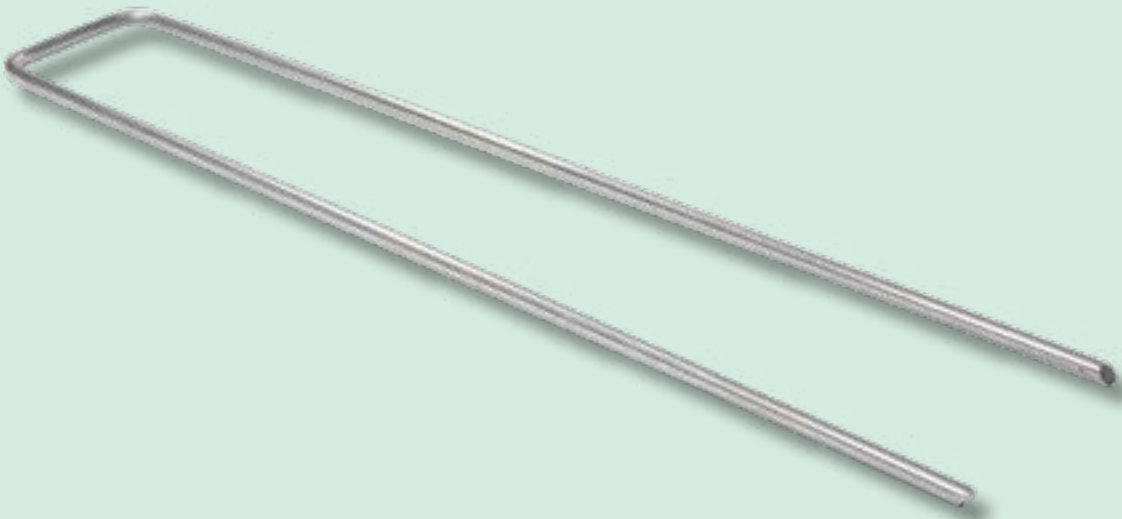


# Secumat® PinU

 Naue

The permanent erosion control fixing



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

Building on sustainable ground.

The **Secumat® PinU fixings** are the perfect addition to areal Secumat® 3D Mesh erosion control mat. They allow erosion control products installed on flat surfaces to be fixed to the subsoil with minimum space requirements.

Secumat® PinU 23 is a U-shaped steel pin which is sturdy but easy to use. The steel has a diameter of  $\varnothing$  3,5 mm and a length of 23 cm.

## Typical Secumat® PinU applications

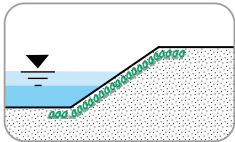


Figure 1:  
Fixing vegetation  
by water

### 1. Securing trench/brook banks

When combined with Secumat® 3D Mesh with Nonwoven, Secumat® PinU provides fixing in the water transition zone. Especially geosynthetic products can be permanently fixed on slopes using steel pins. They fix the system in place and therefore enable initial vegetation, particularly in flowing or still water bodies. The established vegetation secures the slope against erosion. Secumat® PinU thus creates areas of biological diversity in urban environments. Permanent fixing provides long-term control. (Fig. 1)

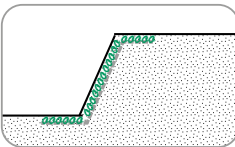


Figure 2:  
Securing construction  
projects with fixings

### 2. Erosion control securing technical construction projects

Using Secumat® PinU steel pins is highly recommended, particularly when combined with permanent erosion control solutions such as our Secumat® 3D Mesh and combination products. Secumat® PinU is frequently used to secure construction projects against rainfall erosion. The Secumat® 3D Mesh is perfectly fixed with the steel pin and provides minimal contact between the erosion control system and the subsoil to encourage roots to grow undisturbed. (Fig. 2)

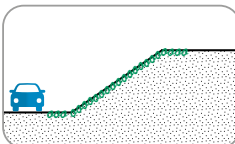


Figure 3:  
Fixing the  
infrastructure

### 3. Fixing infrastructure slopes

Secumat® 3D Mesh products quickly establish a natural appearance on slopes on infrastructure construction projects. When combined with Secumat® PinU, an optimum connection between an erosion control product such as Secumat® 3D Mesh products and the subsoil is ensured. The fixings secure the erosion control system to the ground and protect it from meteorological influences such as high winds. (Fig. 3)

## Benefits of using Secumat® PinU fixings

Particularly easy and quick insertion into the ground due to the pointed ends. Low installation costs due to quick and easy removal. Simple to use for efficient and cost-effective fixing. There are no sharp edges left on the surface and the risk of injury due to tripping or snagging on areal products is reduced to a minimum. The fixings take effect immediately after installation and thus form a complete erosion control system.



Figure 4: Secumat® PinU 23 with Secumat® 401 20/20 Q1



Figure 5: Secumat® 3D Mesh fixed with a steel pin



Figure 6: Secumat® PinU 23



Figure 7: Secumat® PinU packaging

## Benefits of Secumat® PinU 23

- When combined with Secumat® 3D Mesh products, Naue Secumat® PinU 23 fixings provide a high-quality and secure erosion control system from a single source.
- Secumat® PinU 23 is a sturdy fixing which offers an unbroken connection to the substructure thanks to its U-shape and secures products with an overlap as well as those installed butted up to each other.
- Easy to insert into the substructure due to the pointed ends.

## Secumat® PinU 23 packaging

Secumat® PinU steel pins are supplied packaged as follows:

Product	Property	Value
Secumat® Pin U 23	Dimension (W x L x H)	25 x 20 x 10 cm
	Weight	9 kg/box
	Quantity	250 pieces/box

