



Rainbow Spiral Tree Guard

General Product Information

Rainbow Spiral Tree Guards have now been used throughout Europe as the main protector of young trees for over 25 years.

Manufactured from recycled PVC they have an average life expectancy of 4 years which allows most young trees to become fully established. After this time, the Spiral Tree Guard can be collected and recycled through our Rainbow Recycling Scheme.

The main function of the Spiral Tree Guard is to protect young trees from destruction by animals. The table below shows the recommended size for maximum protection from specific animals.

Animal	Length of Spiral
Rodent	45cm
Rabbit	60cm
Hare	75cm
Possum/Sheep/Deer	100cm

Rainbow Spiral Tree Guards are manufactured as standard with ventilation holes to minimise mildew damage however should spray herbicides be used on site, we recommend using the non-ventilated option which can be ordered upon request.

Rainbow's Spiral Tree Guards come in various colours, typically chosen for aesthetic reasons. A transparent version is available for areas requiring more UV light to encourage side stem growth, whilst a green-tinted version reduces scorching in high UV zones. White spirals are best for extremely high UV areas or where high colour reflectivity is needed.

Product Specification

- Name:** Rainbow Spiral Tree Guards
- Material:** Polyvinyl Chloride (PVC)
- Sizes:** Manufactured in nominal diameters expandable to 50mm (2") and 65mm (2 1/2"). with lengths from 200mm (7 3/4") to 1200mm (4"). Tolerance on length +/- 12mm (1/2")
- Colours Available:** Brown, Transparent, Green Tint, Green, White, Black, Grey.

First Aid

- Eye Contact:** Not applicable
- Skin Contact:** No harmful effects
- Inhalation:** No effect
- Ingestion:** No harmful effects



Protective Equipment

- Eye Protection:** Recommended during installation due to risk of tree top shoots entering the eye.
- Skin Protection:** Protective Gloves recommended during installation to reduce risk of cuts on figures during large installations.

Fire Protection

Ignition Temperature 650°C

Spiral Tree Guards are classed as fire retarding. PVC is inherently difficult to ignite and stops burning once the heat source is removed. Hydrochloric Acid is formed from the Chlorine during combustion along with several Dioxins, we therefore recommend avoiding breathing the fumes created. Hydrogen Chloride is an irritant to the human nose and stops the inhalation of the main product released, Carbon Monoxide.

Storage and Handling

Highly stable product below 100°C. Cartons not to be stacked more than 6 high,

Physical Properties

Tensile Strength	2.6 N/mm ²
Notched Impact Strength	2.0 – 45 KJ/m ²
Thermal Coefficient of Expansion	80 x 10 ⁻⁶
Max Constat Temperature	60°C
Density	1.38 g/cm ³

Resistance to Chemicals

Dilute Acids	Very Good
Dilute Alkalis	Very Good
Oils and Greases	Good
Aliphatic Hydrocarbons	Very Good
Aromatic Hydrocarbons	Poor
Halogenated Hydrocarbons	Moderate
Alcohols	Good

Environmental Issues

Rainbow Spiral Tree Guards are manufactured from 100% Recycled PVC. PVC is inert in landfill and there is no evidence it contributes to either gas formation or the toxicity of the leachate. Rainbow operates a Recycling Scheme for our Spiral Guards – contact us to find out more.

Instructions For Installation

Spiral Tree Guards are easy to install and economical. Wrapped in sets of five for compact storage and transport, the unique design of the guard, with ventilation holes shaped like arrows, ensures correct installation to avoid strangulation.

Spiral Tree Guards should be placed around the tree with the outer edge above the inner to allow for future expansion. To ensure proper fit, you can test by gently expanding the spiral with your fingers to confirm it can open freely. When wrapping the guard, hold it with the outer edge above the inner, then wrap it around the tree. Secure the top and bottom and give the top a gentle pull to ensure the guard is properly positioned for future growth. For stability, a bamboo cane is recommended, matching the length of the guard, with one third of the cane inserted into the ground.