



Tubex Nature Shelter Installation Guide

As we continue to develop alternatives to plastic tree shelters we have seen that the overall performance is different under strained conditions. For this reason, we have conducted extreme weather testing to better inform customers of how to install Tubex Nature.

Research states that the prevailing wind direction in most of UK is south-west*. Traditionally, in the UK stakes have been installed into the wind, which hasn't presented problems with our standard plastic shelters.

Nevertheless, our Tubex Nature bio-based and biodegradable tree shelter** performs differently under strained conditions due to the different material.

We have conducted extreme wind tunnel testing to determine how to best place the stake to prevent failures. The results show that the tube performs best when placed facing the prevailing wind, resisting a wind speed of 90mpm (hurricane speed).

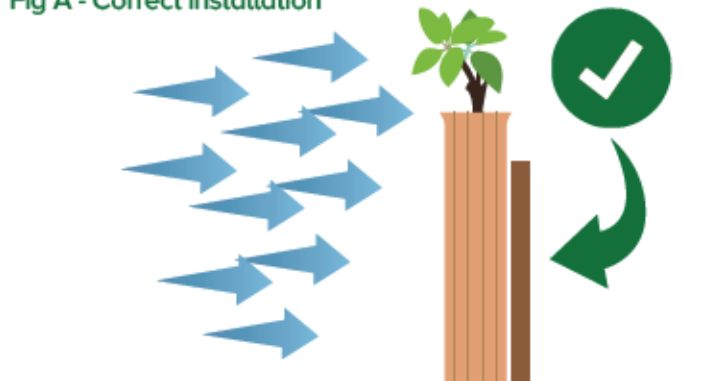
Therefore, our recommendation is that Tubex Nature tree shelter is installed windward, so that the wind pushes the tube into the stake.

How To Install Tubex Nature

1. Install stake and plant

Hammer your stake to mark your planting position and plant the sapling beside the stake, on the side the wind blows from.

Fig A - Correct installation



Green-tech endeavour to ensure that the information given on this technical data sheet is accurate, but accept no liability for its use or its suitability for particular application.

Rabbit Hill Business Park, Great North Road, Arkendale, Knaresborough HG5 0FF

T: 01423 332100 E: sales@green-tech.co.uk W: www.green-tech.co.uk Facebook: @greentechuk Twitter: @greentechLtd



Fig B - Incorrect installation

2. Place tube windward

Then install the tree shelter windward by sliding the ties over the stake while ensuring the sapling is contained in the tube. The wind should hit the tube first and push it into the stake. (Fig A).



*Lapworth, A., & McGregor, J. (2008). Seasonal variation of the prevailing wind direction in Britain. *Weather*, 63(12), 365-368 . doi: 10.1002/wea.301

**All components of TUBEX Nature have been tested and certified to biodegrade, passing the norm 14995:2006. Full tube currently under testing for ISO:17556 Soil Biodegradability. Tested against OECD 207 for Earth-worm ecotoxicity and OECD 208 for Plant ecotoxicity - No acute toxicity detected.

Green-tech endeavour to ensure that the information given on this technical data sheet is accurate, but accept no liability for its use or its suitability for particular application.

Rabbit Hill Business Park, Great North Road, Arkendale, Knaresborough HG5 0FF

T: 01423 332100 **E:** sales@green-tech.co.uk **W:** www.green-tech.co.uk **Facebook:** @greentechuk **Twitter:** @greentechLtd