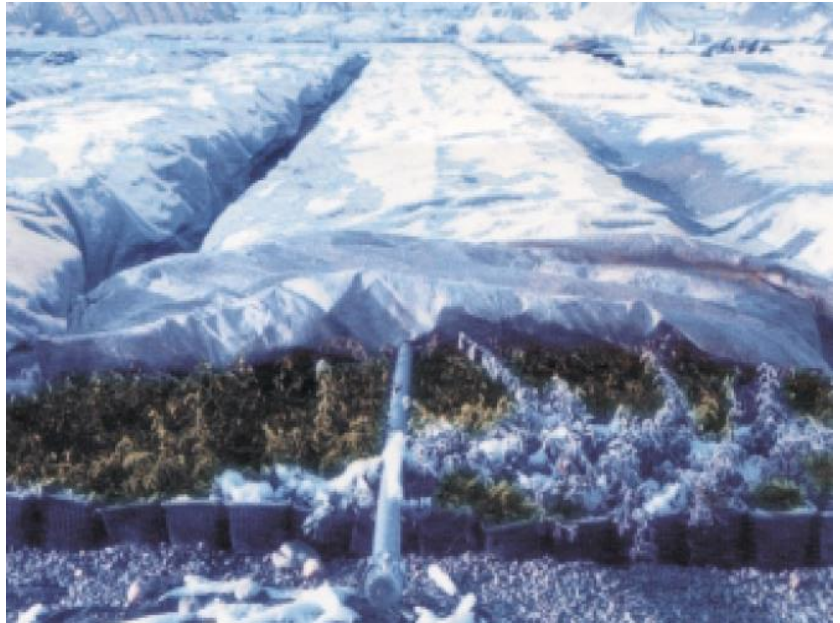


# Winter protection fleece - ISOTHERM



## Protection for your plants against frost, desiccation and UV light

The winter protection fleece ISOTHERM offers optimum protection for your plants against cold wind, extreme fluctuation of temperature and too high insolation. The necessary gas exchange is assured. Due to the regulated microclimate the plants feel good and safe.



### Applications

#### ➤ plane covering:

For plants less sensitive to pressure. Low amount of work, easily to fix with ground anchors or load at the margin of the fleece

#### ▼ tunnel covering

For groves sensitive to pressure.



### Further applications

1. Offers real protection to sensitive crop plants such as Chinese cabbage and sugar loaf.
2. Can act as makeshift for tree nurseries after potting in summer...

### ISOTHERM winter protection fleece

- ✓ ... is wind stable does not flutter
- ✓ ... due to this it is not susceptible to tear as PE-foil or thin fleece
- ✓ ... is breathable (reduces risk of plant diseases such as grey mould)
- ✓ ... is UV-stabilised
- ✓ ... due to this perennial reusable

## Green for Roof and Garden

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## Protection against hurtful fluctuation of temperature

Extremely alternating day and night-temperatures as well as extreme falls of temperature are adjusted by the fleece covering (see diagram 1).

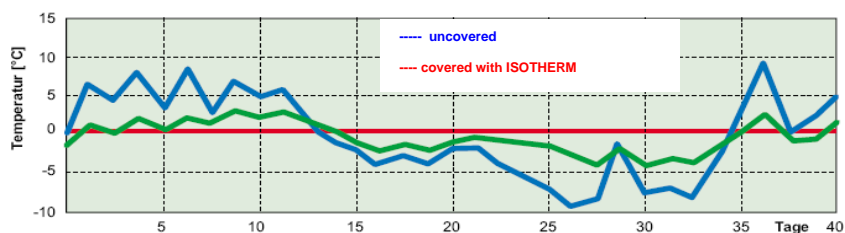


diagram 1: temperature of air

While the temperature of the air is subjected to strong fluctuations, the temperature in the free-standing pot follows temporally delayed. The values of the pot, covered with ISOTHERM, are strongly damped (see diagram 2).

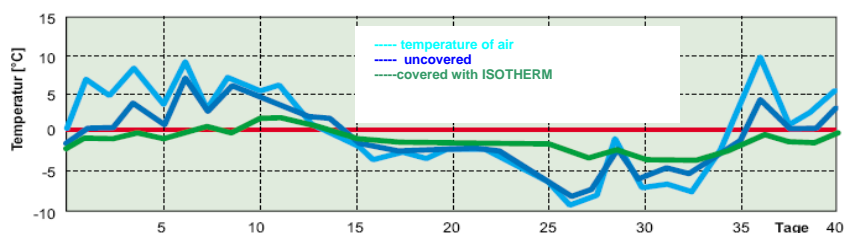


diagram 2: temperature of substratum (pot)

## Origin: test series of TU Vienna

Average values from 13.12.1989 to 21.01.1990

## ISOTHERM

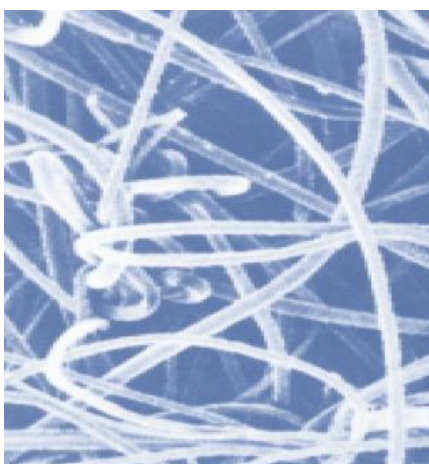
### Winter protection fleece

- builds a barrier against cold winds and insolation as well as radiation, smoothes temperature extremes
- is breathable and builds due to this a friendly microclimate for plants
- cares for the necessary light conditions of 30 – 40 % (measurement Sternpyranometer, -wave band 300 – 3.000 nanometer)
- remains permeable to water (on plane covering fully, on tunnel covering the precipitation is mainly deviated in the fleece)
- is tearproof (6,8 kN/m), is guaranteeing tensile strength, is windstable, is UV-stabilised

### Description

ISOTHERM is a mechanically calandered (needle punched) fleece, made of endless polypropylene fibres.

ISOTHERM is reusable!



### Storage

For a longer durability protected against the light during the summer!

### Dimensions

available in rolls of

2,20 m x 130 m  
2,80 m x 130 m  
4,90 m x 130 m

The details in this flyer are in accordance with our standard of knowledge. They are required to be change on presentation of new science-based expertises. Liability, however described, in particular for a certain application or an infringement of a patent, is excluded.

## Green for Roof and Garden

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