

Whatever you grow - We've got it covered

SunMaster[®] Diffused



PolyTunnel Covers

USE SunMaster Diffused FOR

All crops where colour, especially where red and blue is important

Vegetables

Flowers

Soft Fruit

Over wintered nursery stock where only slight frost protection is required

Specification

UV Guarantee	5 years
Life expectancy	7-8 years
Thickness	150 mu
Polymer make up	co extruded Pe/MLLdpe/EVA
Diffused	yes
UV status	full UV transmission
Thermic	slightly
Anti Fog	yes
Anti Drip	yes
Light Transmission	~89%
Appearance	milky white

DESCRIPTION

Its only in recent years that it has been possible to create a polythene which allows the full spectrum of natural UV daylight through. This full UV spectrum film has a dramatic effect on flower, fruit and foliage colours, particularly on the blues and reds as UV is the spectral wavelength that is required to intensify these colours. Normal films and glass block the UV below 350 Nms. but SunMaster Diffused transmits the same full spectrum of natural UV light that plants get outside.

Research has shown that natural UV levels also produce a more compact sturdier plant which is more resistant to disease. Plants root out into the pot better under SunMaster natural UV films than under conventional types of polythene.

SunMaster Diffused films also have an additive which reflects part of the infra red thermal spectrum. This reflection will not only make the greenhouse up to 10% cooler than a clear film in high sunlight conditions, but also gives a much more pleasant working environment. More importantly when there is a lot of IR A/B (700-3000nms.) it lowers leaf temperatures, reducing tip burning and reducing moisture stress on the leaf and plant.

SunMaster Diffusion overall light levels are ~89% but in fact winter light levels under SunMaster diffused are considerably higher than under glass or clear polythene films. This is because the light is deflected into the structure by the diffuser, rather than being reflected off again.

SunMaster diffused can give up to 2 deg C frost protection.

Flower growers use SunMaster UV open films to increase colour intensity of the flowers and sometimes to reduce stem length.

Vegetable growers are also using SunMaster UV open films so that they can now grow red leaf salads under cover. Natural UV levels can also increase dry weight matter of certain crops.

Soft fruit growers like SunMaster UV open films because they get redder strawberry fruit with less white tips and less white around the calyx. It is also said to increase flavour although this test is subjective because of individuals different tastes.

Nursery Stock growers use SunMaster Diffused to give over winter protection and bring the crop to market slightly earlier than under a clear film.



XL HORTICULTURE LTD , EXMOUTH ROAD, WEST HILL, OTTERY ST. MARY, DEVON, EX11 1JZ

Tel. 0 (044) 1404 823044 Fax +(44) 01404 823335

www.xlhorticulture.co.uk