

**CMW Horticulture Ltd**

Serving the professional grower since 1989



# Apex Seals

A practical way to achieve more even temperatures



## **Cold spots—a common problem**

Despite advances in the design and construction of both overhead and side screens, greenhouses are still susceptible to having a 'cold side'. Cold air above an overhead screen will invariably collect at one gable end and this can result in a lower temperature in the growing area below the screen at the affected end.

## **A simple solution that works**

CMW now offer a simple solution to this problem in the form of an intermediate Apex Seal.

By installing vertical partitions of LS Solarwoven material between the horizontal overhead screen and the greenhouse roof, the cold air above the screen is prevented from collecting at one gable end and therefore the temperature differential in the growing area below is reduced or eliminated. Apex Seals are now also available with SHS anti-fire flame retardant material.

## **Installation & service**

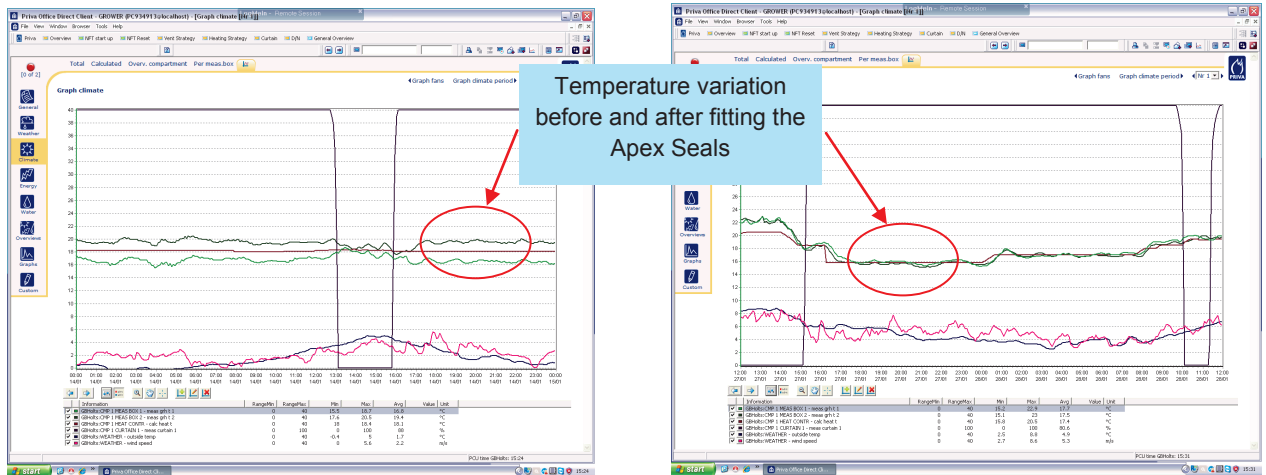
Like all our screens, Apex Seals are made to measure and expertly installed by our own UK based fitters.



# A simple solution for uneven temperatures

Temperature variations can occur even in the most modern greenhouses.

At one state of the art tomato nursery in Worcestershire, temperature differences of 2 degrees within a zone were causing problems. The 2 measuring boxes in each 12,000 sq metre compartment enabled differences in temperature to be monitored. Prior to the installation of the intermediate Apex Seals, the measuring boxes consistently recorded around 2 degrees variation in temperature, as shown on the graph below left.



## More uniform temperatures straight away

The transformation in temperature distribution after installation was remarkable. The graph above right was made immediately after fitting the seals and clearly shows that the temperature variation has been eliminated. The improvement is even noticeable along individual rows. In the previous season parts of the row were one week behind, and now crop development is uniform along the 125 metre rows. Having reliable temperatures throughout the growing area should make management of the crop more straightforward and ensure even better uniformity of the final product.

## Cost effective

Installation is straightforward in most cases, so the Apex Seal promises to be a very cost effective solution to an all too common problem.

### Also from CMW

- Crop gutters and table tops
- Drip irrigation
- Pumps, tanks, liners
- Feed rigs
- pH and acid dosing
- Irrigation controllers
- Climate controllers
- Shade and energy screens
- Screen controllers
- Crop shredders and binders