

Why Conservatory Cooling Solar Control Inserts?



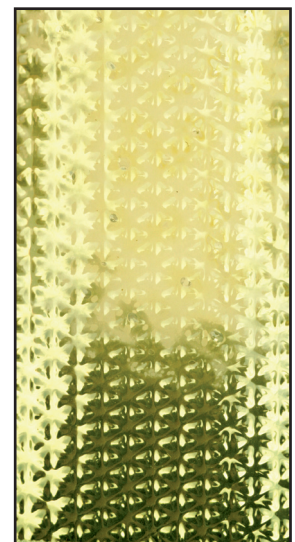
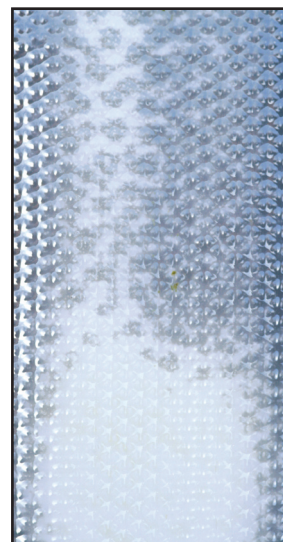
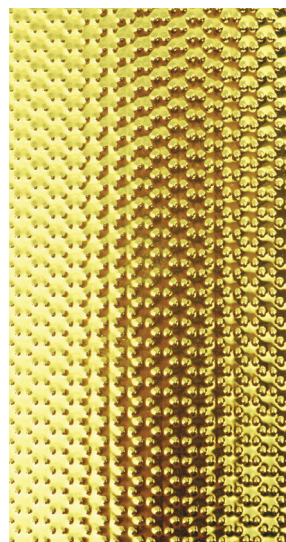
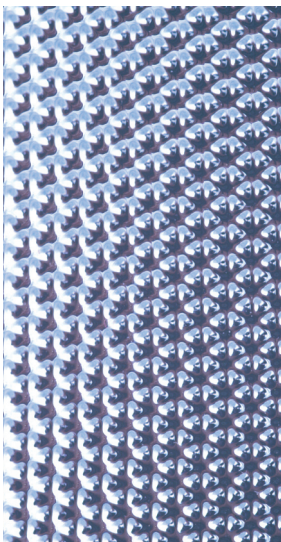
Q - What are the differences between Conservatory Cooling Solar Control Inserts and other cheaper films available?

A - This is extremely relevant and lies in the manufacturing process of both films.

Conservatory Cooling Solar Control inserts are constructed using the latest 'sputtering metalisation technology', where aluminium particles are impregnated into polyester film one atom at a time. This ensures a more even coating, better visual quality and colour stability, with a longer lifespan and superior appearance. This is why we give a 15-year guarantee for our products.

Other cheaper films are constructed using a Vapor or vacuum coated process where metal is evaporated on to the surface of the polyester. This can cause uneven coating, leading to surface irregularities, visual shading imperfections, and more importantly demetalisation and delamination after a short period. Our experience also indicates that these inserts can be up to 20% less efficient with film warranties typically no longer than 3-5 years.

Key Points



Conservatory Cooling 'Sputter coated' Solar Inserts

Visual evidence after 3 years insitu

1. A slower, more intensive manufacturing process, which is reflected in the quality and cost.
2. More even deposition of aluminium particles embedded within the polyester film.
3. More consistent application of scratch resistant hardcoat to protect the film.
4. More stable and consistent shading.
5. Deliver premium performance and a life expectancy in excess of 15 years.
6. Fit it – Forget it.

Other suppliers Vapour (Vacuum coated) Solar Inserts

Visual evidence after 3 years insitu

1. A faster, cheaper and less intensive metalisation process, which is reflected in the quality, price and mass availability.
2. More uneven deposition of metal particles and hardcoat, which can lead to demetalisation through Oxidisation, Corrosion and UV Bleaching.
3. Can experience inconsistencies in Colour stability.
4. Solarrejection properties decrease as the film breaks down, with typical guarantees no longer than 3-5 years.
5. Risk of replacement after 3-5 year period.