

CITROSOL Sunseal®

Citrus fruit is an essential part of our diet and, for that reason, is shipped from continent to continent all year round. CITROSOL has developed the wax that offers the maximum protection for that journey.



CITROSOL Sunseal® UE is a huge step forward in citrus coatings, as it out performs all other waxes: with low drying temperatures and resistance to film breakage by condensation, maintaining good control over weight loss and providing an excellent shine.

CITROSOL Sunseal®

Excellent protection for long-distance shipments

CITROSOL Sunseal® out performs any other wax providing effective control over weight loss, a low drying temperature, excellent shine and maximum resistance to film breakage from condensation on the fruit. All this makes CITROSOL Sunseal® the ideal wax for long-distance citrus shipments.

Control of weight loss

CITROSOL Sunseal® provides very good control over weight loss. Abundant scientific literature establishes how the control over weight loss gives the fruit protection against chilling injury and against rind breakdown.

Low drying temperature

The drying temperature of CITROSOL Sunseal® is similar to that of our S-waxes avoiding any heat damage to the rind of the fruit - Temperatures of 48°C for more than 3 minutes normally result in visible marking. The low drying temperature also substantially reduces the amount of energy needed and consequently reduces the carbon footprint (emission of greenhouse gases) generated during the process.

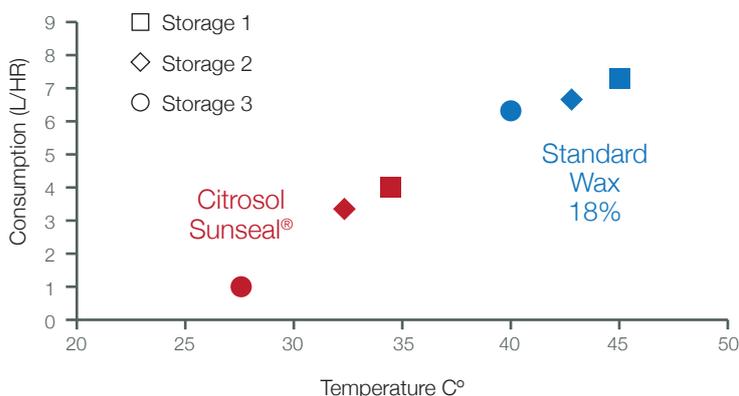
Resistance to film breakage due to condensation

Many "long distance" shipments go to countries with warm climates and, more often than not, the fruit suffers a lot of condensation when it is unloaded. This can promote the rupture of the wax film which is manifested by the appearance of a characteristic white color on the fruit. Compared to other waxes, CITROSOL Sunseal® is highly resistant to film breakage resulting from condensation.



Failure of the wax film due to water condensation. Typically a white precipitate appears on the essential oil glands.

Drying Tunnel Consumption



Relationship between air temperature and fuel consumption (l/hr) in the drying tunnel. The data corresponds to 3 packing facilities before and after changing the wax used to CITROSOL Sunseal®.

For all these reasons the use of CITROSOL Sunseal® in long distance shipments is essential for the elimination or reduction of these complications. In the same way that in hot, dry summers, the synthesis of cuticular waxes in citrus fruit is increased to avoid dehydration and to complete its development, CITROSOL has developed CITROSOL Sunseal® to respond to the challenges posed by the shipment of citrus fruit to distant destinations.

CITROSOL Sunseal® out performs any other wax providing excellent protection for prolonged shipments and storage of citrus fruit.