COLORMATRIX
AMOSORB™
PRODUCT FAMILY
Amosorb™ and Amosorb™ SoLo₂
active oxygen scavengers
ColorMatrix’s Amosorb™ is an oxygen scavenging polyester concentrate that creates an active barrier against the ingress of oxygen through the walls of PET containers. Amosorb™ provides a cost-effective and flexible package that offers extended product protection and a longer shelf life.

Amosorb™ SolO₂ provides enhanced scavenging power combined with a passive O₂/CO₂ barrier and, where required, a colour, which can be tailored to suit individual customer requirements.

This ready-to-use technology offers extended shelf life capability and the flexibility to manage the additional demands of empty bottle storage, lightweighting, market seasonality and carbonated oxygen sensitive beverages.
Applications
Amosorb™ and Amosorb™ SolO₂ can help assure product quality, consistency and extended shelf life for a wide range of oxygen sensitive products including beer, wine, fruit juices, nectars, teas, UHT milk and tomato-based products. They can be used for both mono and multi-layer containers.

**USAGE RATES**

**Amosorb™ (non-carbonated)**
- Bottle size: 300ml–1L
- Shelf life target: 6–12 months
- Use level: 1–5%

**Amosorb™ SolO₂ -1 (carbonated)**
- Bottle size: 1.25L–2.50L
- Shelf life target: 3–6 months
- Use level: 4–6%

**Amosorb™ SolO₂ -1 (non-carbonated)**
- Bottle size: 187ml–750ml
- Shelf life target: 9–18 months
- Use level: 2–3%

**Amosorb™ SolO₂ -2 (carbonated)**
- Bottle size: 0.50L–1.0L
- Shelf life target: 3–6 months
- Use level: 5–7%

**Regulatory information**
Amosorb™ and Amosorb™ SolO₂ comply with EU and FDA food contact legislation. Full regulatory details are available on request.

**Handling**
Amosorb™ and Amosorb™ SolO₂ are supplied in sealed air and moisture-tight containers and require no drying before use.

The formulations are added to the PET melt using conventional pellet handling systems. ColorMatrix can provide full trial, analysis and production support to ensure your use of our technologies is optimised according to your specific application.

**Single product solution**
Amosorb™ and Amosorb™ SolO₂ can be used with any type of PET base resin and are suitable to use for both mono and multi-layer containers as well as thermoformed sheet applications.

**ColorMatrix’s Amosorb™ and Amosorb™ SolO₂** provide advanced product protection extending the shelf life of oxygen sensitive beverages and foods packed in PET containers.

**Flexibility**
The level of oxygen barrier required can be easily tailored by adjusting the loading to meet changing requirements and to ensure optimised performance.

**Easy implementation**
Amosorb™ and Amosorb™ SolO₂ are simple to use and require no activation. They can be run on standard injection machines, providing easy installation for quick and cost-effective processing.

**Good container aesthetics**
When blowing is optimised excellent container clarity can be achieved, especially when used in combination with ColorMatrix colorant technologies.

**Recyclability**
Amosorb™ and Amosorb™ SolO₂ are 100% recyclable.

**Brand assurance**
Amosorb™ and Amosorb™ SolO₂ technologies are always active ensuring a reliable and low risk product protection solution.
MARKET RESPONSIVE

Amosorb™ SolO₂ provides enhanced scavenging power with added O₂ /CO₂ passive barrier capability and can be adapted quickly and easily to meet changing market demands. The technology is particularly effective in markets requiring empty bottle storage, lighter weight containers and carbonated oxygen sensitive beverages such as beer.