

MASTEROX®

Masterox® calcium oxide is used to remove or control moisture in plastics, coatings and many other applications.

Birch Chemicals is unique in that we have an integrated supply chain which gives Masterox® products unrivalled performance due to their consistency, control and traceability.



**Birch
Chemicals**

PART OF THE
Singleton Birch family

Why use Masterox®?

Masterox® microfine powders disperse easily and evenly throughout the product mix to give consistent results whatever your application.

Do you experience extrusion blow out or surface defects in your finished product?

Would you like to:

Reduce quality failures?

Reduce desiccant addition levels?

Reduce energy costs and drying time?

Masterox® calcium oxide desiccants:

- ✓ will eliminate extrusion blow out or surface defects caused by moisture
- ✓ perform more effectively and consistently reducing quality failures
- ✓ are highly active, allowing you to reduce desiccant addition levels
- ✓ allow you to use less and reduce desiccant stockholding
- ✓ improve Just In Time performance

Available locally from our network of global distributors, see www.birchchemicals.co.uk

Solutions

Moisture Control

- ✓ Binds moisture
- ✓ Improves strength
- ✓ Stops extrusion breakout
- ✓ Stops surface defects
- ✓ Aids filler maximisation

Energy Reduction

- ✓ Reduces drying time
- ✓ Improves strength
- ✓ Maximise formulation flexibility

Waste Reduction

- ✓ Highly active
- ✓ Smaller particles
- ✓ Consistent quality
- ✓ Use less desiccant
- ✓ Less downstream quality failures



Advantages

Reducing CaO loading by using Masterox® will improve finished product performance and physical properties.

Masterox® products are high purity and high surface area due to their chalk origin and small particle size. This improves the surface appearance of plastic components.



Birch Chemicals is registered to the international quality standards:

ISO 9001: Quality Assurance
ISO 14001: Environmental
OHSAS 18001: Safety



**INVESTORS
IN PEOPLE**

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Singleton Birch was formed in 1815 and for over 200 years has produced high quality calcium based chemicals for use in many applications.

Birch Chemicals was founded in 2000 and became part of the Singleton Birch family of companies in 2009.



PART OF THE
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History

Singleton Birch was established in 1815 and named after the founder, William Singleton Birch, a minerals merchant. During the early part of the 20th Century, the majority of the shares in the company were owned by his grandson Lionel Martin, who also founded the Aston Martin car company.

After Lionel's death, his wife, Katherine, left most of her shares in a trust for the benefit of the NSPCC, RSPCA and Barnardo's. The Katherine Martin Charitable Trust remains our largest shareholder today.

Singleton Birch is now a global supplier of lime products and services. Our products are used in the production of steel, various chemical processes, waste and water treatment, purification of flue gases, production of building materials and in the construction industry as well as rubber, plastics and coatings.

Responsibility

Singleton Birch has a history of two centuries of responsible operation and this is at the heart of all we do. Birch Chemicals is committed to doing business the right way and staying true to our beliefs.

Every year the Katherine Martin Charitable Trust distributes a large proportion of our profits to charities. These dividends help to fund local, national and international projects. The company has close links with local communities and strives to be a responsible neighbour.

Our focus on safety has seen us win many national and European awards and we work to the international safety standard OHSAS 18001 and environmental performance standard ISO 14001.

Birch Chemicals recognise that our people are our biggest asset and we constantly invest in training to develop our employees.



Quality

Birch Chemicals is unique in that we have an integrated supply chain which gives which gives Masterox® products unrivalled performance due to their consistency, control and traceability.

Our parent company Singleton Birch quarries chalk to make calcium oxide which is the raw material for the Masterox® range. The product is tested at every stage of the process

Research and Development plays a large part in shaping the future of our product range and we continually strive to improve our existing products and introduce new innovations.

Birch Chemicals has excellent logistics connections for ease of global distribution.



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