

**Birch  
Chemicals**

FORMULATING THE FUTURE™

**Rubber &  
Elastomer**

WORLD-LEADING SOLUTIONS

# Perfect COMPOUNDS

The Birch Chemicals range empowers you to improve product quality and production output.

Created from the finest raw materials by Birch Chemicals, our products are carefully formulated for a wide range of applications. You can rely on our range for unbeatable performance and reliable consistency.

Innovative  
formulations  
*equal*  
world-class  
results

## KEY POINTS:

- Reduces production costs
- Speeds up production time
- Consistent performance
- 100% formulation control
- Global supply
- Eco-friendly





## Maximum control

Using Birch Chemicals products gives you consistent quality control, increasing the reliability of your products and the performance of your business.



## Reduce costs

Adding Birch Chemicals products to your process can increase production speed and capacity, reduce revenue lost due to quality defects, and increase energy savings.



## Independently assessed

Some of the biggest names in testing have independently assessed the performance of Birch Chemicals products and will verify that our products work better than the competition. Ask for copies of our technical reports to see for yourself.

# Innovox<sup>®</sup> 97

## Calcium Oxide CaO

The latest ground-breaking product from Birch Chemicals has been designed to alleviate moisture problems such as porosity or surface blisters which develop during the processing of elastomeric compounds. Innovox<sup>®</sup> 97 has been formulated down to the last detail, giving it world leading performance.

Innovox<sup>®</sup> 97 is supplied in easy to use 1kg sachets in 25kg boxes, palletted at 48 boxes per pallet - so it's as easy to access the last kg as it was the first. This revolution in packaging means Innovox<sup>®</sup> 97 has an extended shelf life.

**FREE SAMPLE** Email now  
[info@birchchemicals.co.uk](mailto:info@birchchemicals.co.uk)

### IDEAL FOR

- EPDM Rubber compounds
- Automotive door seals and trim
- Hoses
- Roofing and flooring
- Conveyors

**New and Improved**  
**Moisture Control**  
**for Rubber**



**Improved for**  
**unbeatable**  
**performance**  
**& consistency**



## Our social values

Our social values shape everything we do, and we take sustainability seriously. We are leading the way in carbon negative energy generation and zero carbon raw materials and our safety performance has won many awards.



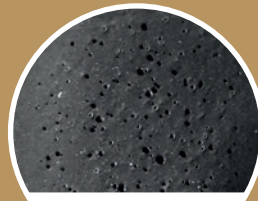
## Improved quality



The Innovox® range is specially formulated to prevent visible extrusion breakout and surface defects, reducing specks, lumps and streaking in production caused by unwanted moisture in the finished product.

▼ Without using Innovox®.

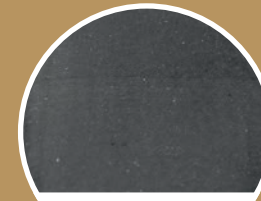
30mm diameter cord, cured for 20min at 200°C illustrating porosity due to the moisture.



Cross section

▼ Using Innovox®.

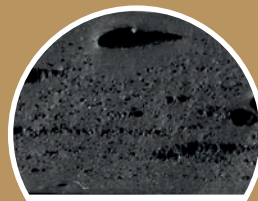
30mm diameter cord, cured for 20min at 200°C illustrating no porosity or moisture damage.



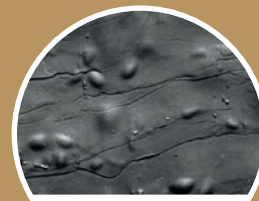
Cross section

▼ Without using Innovox®.

A 6mm sheet, cured for 20min at 200°C. Moisture creates damaging bubbles within the compound.



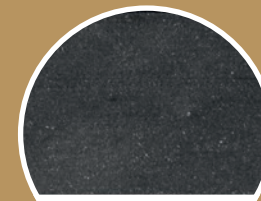
Cross section



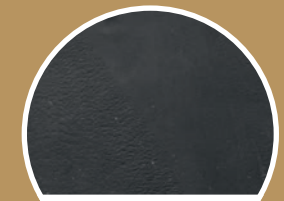
Surface

▼ Using Innovox®.

A 6mm sheet, cured for 20min at 200°C. No bubble or moisture damage.



Cross section



Surface

For further details please refer to Birch Chemicals Technical Report | BCTROX 001, found on our website, birchchemicals.co.uk or email info@birchchemicals.co.uk.

# Innovox<sup>®</sup>

## Calcium Oxide CaO Sachets

Innovox<sup>®</sup> is the World's #1 moisture control for rubber. We use high-quality calcium oxide to eliminate porosity, visible specks and surface blisters in your rubber and polymer compounds. It disperses quickly and evenly for superior cross-link density, higher strength and acid scavenging.

Innovox<sup>®</sup> delivers exceptional product performance and is proven by independent testers to require 20% less product than granule alternatives. Another industry-leading solution from Birch Chemicals.

**FREE SAMPLE** Email now  
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### IDEAL FOR

- Innovox<sup>®</sup> 95 – the premier Innovox product, made in the UK
- Innovox<sup>®</sup> 95 F – for food contact applications
- Innovox<sup>®</sup> FG – no surface treatment



**World's  
 #1 moisture  
 control  
 for EPDM  
 rubber**



PART OF THE  
 Singleton Birch family

The **original**  
**Innovox<sup>®</sup>**, made  
 in the **UK** from  
 our own on-site  
**calcium oxide**



## In-house innovation

We're meticulous at each step of our research, development, manufacturing and customer service. Our state-of-the-art innovation centre is an essential part of what makes Birch Chemicals so unique.



## Expert knowledge

Every one of our products has been carefully developed in-house by our own scientists. They work tirelessly to innovate and find new best-solutions for industry.



## Industry-leading solutions

Birch Chemicals provides industry-leading high quality products based on decades of expertise and developed from an ethos of constant innovation.



# Innovoh<sup>®</sup>

## Calcium hydroxide

$$\text{Ca(OH)}_2$$

Improve your finished FKM rubber and fluoroelastomer products with our unrivalled microfine calcium hydroxide cure additive and activator. Innovoh<sup>®</sup> improves the performance and consistency of FKM compounds. Innovoh's high purity and high surface area offers exceptional cure performance and dispersion without sacrificing quality.

100% of the raw materials for Innovoh<sup>®</sup> are produced and refined on-site, which means Birch Chemicals can offer unrivalled quality control. This product is available immediately through our worldwide network.

**FREE SAMPLE** Email now  
[info@birchchemicals.co.uk](mailto:info@birchchemicals.co.uk)

Used by the  
 World's Top  
 Compounders



### IDEAL FOR

- FKM fluoroelastomers
- Automotive seals and hoses
- EV Vehicles
- High performance seals and joints
- Gas, Water and Nuclear industries

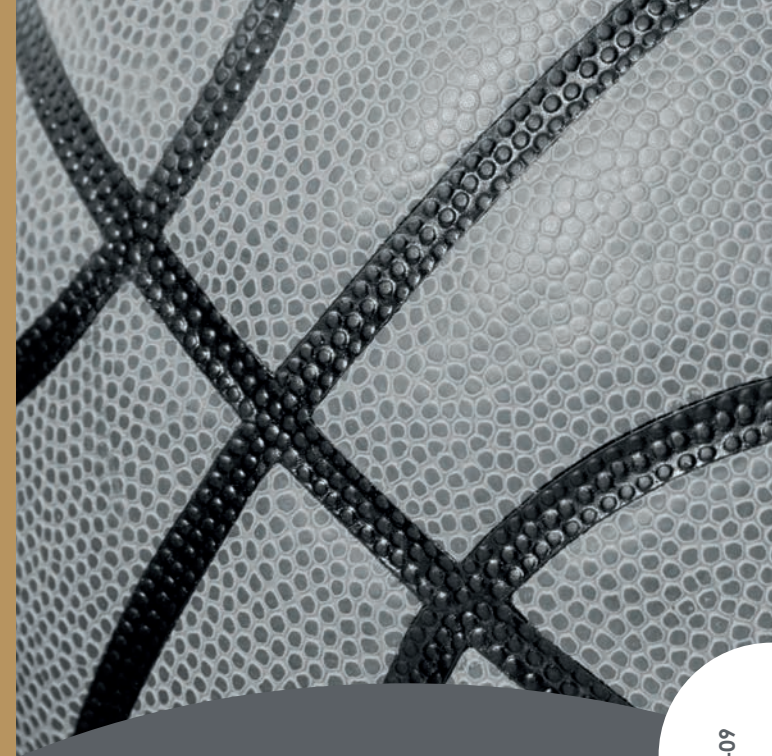
Excellent  
 cost to  
 performance  
 ratio





## Immediate despatch and exceptional delivery service

Due to our worldwide distribution network we're able to offer immediate despatch for on-time delivery. We go 'the extra mile' to make sure you get what you want when you want it. Our reputation for outstanding customer service speaks for itself.



## Global product, worldwide support

We work with our specialist distribution partners to offer unparalleled service and supply globally, whatever your requirement. If you want to talk rubber or plastics, coatings or adhesives just get in touch. Our distributors can speak your language - literally.



## On site = speed

Our raw materials are produced and refined on site, allowing us to deliver the unbeatable quality and rapid lead times our customers expect.

# Birchset™

## Cure Stabiliser

Powerful cure stabiliser and compression set reduction additive specially designed for use alongside Innovox® in EPDM rubber and formulated for use in heavy humidity environments or in compounds with high volumes of fillers.

Birchset™ offers excellent mixing and dispersion characteristics. Birchset™ is typically used in combination with Innovox® in EPDM and will overcome adverse effects of using high doses of calcium oxide for moisture control in rubber compounds.

Ideal for  
use in **Humid  
Environments**  
or **High Filler  
Loadings**

**FREE SAMPLE** Email now  
[info@birchchemicals.co.uk](mailto:info@birchchemicals.co.uk)

### IDEAL FOR

- High humidity regions or rainy season
- High moisture EPDM compounding
- Highly filled EPDM
- Works alongside Innovox

Eco-friendly  
*plus*  
pure natural  
material



**FREE SAMPLE** Email now  
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## Birch Chemicals Factice

A processing aid and property modifier available in standard and ultra-white grades. An essential rubber manufacturing aid, with no compromise in product quality. Used in rubber rollers and blankets, erasers, flooring mats, conveyor belts and more.



## Protect rubber from moisture during shipping and transit

Because rubber compounds can absorb moisture, BirchSorb® raises the bar on moisture control, providing reliable protection whilst your compound is in transit or storage. It absorbs at least twice its weight in moisture and offers a minimum of eight weeks of protection.

## Bringing innovation to market

Birch Chemicals is continuously innovating, with our product development and sourcing teams bringing new and improved products to market, so keep your eyes open for our new arrivals.



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**Get in touch**

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