REAL WORLD THINKING.
REAL WORLD PERFORMANCE.
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REAL WORLD PERFORMANCE.

Just like you we are passionate about timber. We love its warmth, its beauty, its strength, its versatility.

Our mission is to help you make the most of this sustainable and adaptable construction material with tried, tested and trusted wood protection products and services that will give you and your customers real world performance.

For over 80 years we have been pioneering and developing market focused preservative and fire retardant protection technologies for timber. Offering innovative products, application systems and support services that work for you.

Innovation still drives us today and makes us who we are. Proactive, helpful and trustworthy partners for you and your customers.

Tony Kelly, Business Director

HICKSON chemical business begins on a 6 acre site in Castleford, UK with the manufacture of pigments, coatings and acids.

1932
Bernard Hickson signs agreement to manufacture preservatives for the UK - recognised brand within the wood protection industry.

1939-45
Supplies insists on the TANALITH treatment of all timber packages.

1944-50
All timber is treated with TANALITH for the first time.

1948
Supplies joins the British Ministry of Defence Coolidge project.

1950
British Ministry of Defence Coolidge project ends.

1952
Supplies joins the British Ministry of Defence for the HICKSON chemical business.

1955
Introduction of TANALITH® first professional wood preservative.

1960
Antiblu mould and sapstain protection for construction markets.

1963
HICKSON chemical business begins to manufacture TANALITH.

1964
First TANALITH treatment of timbers to the UK - a patented wood preservative begins.

1965
Low pressure preservative treatments and introduction of VAC-VAC technology.

1968
TANALITH is first introduced in Sweden.

1970
Development of DRICON wood preservative option.

1971
TANALITH sales first introduced in Australia.

1972
Aqua water based wood preservative.

1974
Development of VACSOL technology, is launched.

1977
Introduction of industry award winning VACSOL Aqua water based wood preservative.

1979
First sulphur based wood preservative.

1980
Introduction of TANALITH E, based on copper arsenate formulation as a salts based chromated wood preservative, developed in collaboration with Indian scientist Dr. Anantham P. Introduction of TANALITH C.

1985
Lifetime (60 Year) Guarantee first introduced.

1985-90
TANALITH treatment for poles introduced in Canada for the TANALITH treatment of timbers.

1990
First patented VACSOL technology, is launched to European markets.

1992
TANALITH E is a unique high performance alternative to chrome and arsenic-based preservative options.

1995-98
The campaign to introduce an Antiblu mould and sapstain protection technology established.

1999
First Biocidal Product Regulation approval.

2000
TANALITH E preservative with BARamine technology added.

2003
Antiblu mould and sapstain protection technology added to the portfolio of wood preservatives offered.

2004
Innovative low pressure and one stage VAC-VAC preservative option.

2005
Auto-Treater plant control and management software added.

2009
Introduction of next generation patented smart incising technologies for sawn timber.

2010
SMART INCISING TECHNOLOGY FOR TIMBERS introduces BARamine technology.

2011
SMART INCISING TECHNOLOGY FOR TIMBERS ROUND BARK PRESERVATION introduces BARamine technology.

2012
Introduction of the next generation of SMART INCISING TECHNOLOGY FOR TIMBERS ROUND BARK PRESERVATION.

2013-14
First copper based wood preservative first introduced.

2015
Development and implementation of new technology plant control software.

2017-2018
First successful in the Nordic region.
OUR PRODUCTS ....working for you

Lonza Wood Protection has some of the most recognised and respected product brands in the world of timber protection. Names such as TANALITH, TANATONE, VACSOL, DRICON and ANTIBLU treated timbers have built an international level of recognition and use by architects, specifiers, builders, contractors, merchants, as well as the general public.

PRESERVATIVE PROTECTION

Our preservative products and treatments are designed to meet industry standards in all the markets where they are specified and used. For the preservative protection of timber EN 335 has various Use Classes that categorise the eventual end use of the treated timbers.

The table below shows the main Use Classes which are based on the potential threat to timber from decay organisms and insect attack. Our proven preservative family brands are shown against each Use Class situation.

Our product families represent tried, tested and trusted technologies that are unique. Developed by Lonza to make you and your timbers different and to help keep you ahead of the game - from first forest cut to finished, high performance timber products.

FIRE RETARDANT PROTECTION

Fire retardant treatments for construction timbers now need to meet the requirements of the Construction Products Regulation which incorporates various national standards. EN 13501-1 has several classifications for the fire protection of construction materials but Euroclass B and Euroclass C are the relevant classifications for timber.

Our proven DRICON and ATP Generic fire retardant treatments provide these assured levels of protection for a wide range of timber species and timber products used in both permanent and temporary interior applications. DRICON is an INT2, humidity resistant type treatment and ATP Generic is an INT1, dry interior type treatment, according to the UK Wood Protection Association fire retardant specifications.

REAL WORLD THINKING, REAL WORLD PERFORMANCE.

All Lonza wood protection products are designed to perform in their actual end use situations. As well as laboratory testing, Lonza is committed to more realistic field trials which demonstrate ‘real world’ performance.
OUR TANALITH FAMILY

The TANALITH brand dates back to our earliest pioneering days in the last century. Today it represents the leading range of products for the long-term preservative protection of construction, engineering and landscaping timber products against the threat of wood decay and insect attack.

TANALITH products are designed for industrial application through high pressure treatment processes which force the wood preservative deep into the timber structure. The TANALITH family offers various colour options to suit particular market requirements. TANALITH treated timbers can be used in all Use Class applications.

The latest generation TANALITH products incorporate our award-winning and patented BARamine application technologies that not only provide enhanced protection against decay organisms but also help provide a deeper and more consistent penetration of the wood preservative into the timber structure.

TANATONE colour additives can provide a range of added value TANALITH treated timber options for decking, fencing and cladding applications.

SHADES is one of our latest innovations offering new and creative colour options for decking and cladding, with a factory application prior to treatment with TANALITH.

TANASOTE is an oil-based product designed to offer an alternative to Creosote treatment used traditionally for high performance timbers such as communication poles and railway sleepers.

HIGH PRESSURE TREATMENT PROCESS

1. Timber loaded into treatment vessel. The timber ends are accessible.
2. Initial vacuum applied, evacuating the timber cells of air.
3. Vacuum held.
4. Cylinder flooded under vacuum with TANALITH wood preservative, with TANATONE brown colourant, if required.
5. Hydraulic pressure applied, forcing the preservative deep into the structure of the timber.
6. Final vacuum extracts excess preservative solution, which is pumped back to storage.
7. Low pressure inside the timber draws in surface solution when vented to atmosphere.
8. Treated timber is left to dry.
OUR VACSOL FAMILY

If you offer general construction, timber frame, roofing or joinery timbers our VACSOL family of products will provide assured long term preservative protection.

VACSOL water based wood preservatives are designed for industrial application through a proven low pressure, double vacuum treatment process which gives an envelope of protection to the timber components.

The low uptake of this process means that there is minimal dimensional change to the timbers following treatment.

The treatment leaves the timbers virtually unchanged in appearance although a colour treatment indicator can be added if required. VACSOL treatment is suitable for timbers in Use Class 1, 2 and 3 coated applications.

RESISTOL is a proven metal free dip treatment option for general construction and joinery timbers in Use Class 1, 2 and 3 coated applications.

LOW PRESSURE/DOUBLE VACUUM TREATMENT PROCESS

1. Vacuum created and timber cells evacuated of air.
2. Vessel flooded under vacuum. The vacuum release enables VACSOL preservative to penetrate into the timber cells under atmospheric pressure, in order to achieve a target penetration for the specified Use Class.
3. A second vacuum is applied to evacuate the timber cells of excess preservative.
4. Venting of atmospheric pressure (second or ‘double’ vacuum) drives any surface preservative back into the timber cells. Timber surface drip dry.

...working for you
Moulds and sapstain can quickly attack freshly harvested and sawn timber. Whilst these organisms do not damage the structural properties of the timber they can seriously affect its commercial value.

ANTIBLU is a simple yet highly effective dip treatment system that will provide a short-term protection against the threat of sapstain and moulds. ANTIBLU treatments are particularly relevant for timbers used in the pallet and packaging industries.

ANTIBLU FAMILY

...working for you

W O O D  F I N I S H E S

Whilst all our main preservative products are designed for controlled industrial application, we also offer canned products for brush application to help ensure a high performance decorative choice for garden timbers and a complete protection system.

RESTOL WOOD OIL

RESTOL is a linseed oil based decorative finish which provides a high performance water repellent coating for garden and exterior timbers. The easy to apply and maintain product is available in a wide range of colour options which all provide an excellent UV protection to the timbers.

www.restol.info

ENSELE END GRAIN PRESERVATIVES

Whenever preservative treated timbers are not cut or notched during installation, the exposed surfaces need to be sealed by the use of an effective brush-on and grain product to maintain the integrity of the preservative protection. The ENSELE range of canned end grain preservatives is available in a choice of colours to match the relevant treated timbers.

www.ensele.info

WOOD FINISHES
Fire and smoke can quickly kill and fire is a constant threat to any construction material. Whenever building regulations require the protection you need to be sure it will perform when it matters.

Lonza offers a choice of tried, tested and trusted industrially applied fire retardant treatments for solid timbers and board products that provide a highly effective surface spread of flame protection in a fire situation. The treatments still allow the beauty of the timbers to show through but also provide critical extra time for a safe escape in a real fire situation.

**DRICON** is an INT2, humidity resistant type treatment which can be used for the protection of permanent interior timber applications. DRICON is the only BBA approved fire retardant treatment for timber.

DRICON treated products are used widely in public building construction projects and in the rail, transport, oil and gas industries.

**ATP Generic** is an INT1, dry interior type treatment which is used for temporary applications in industries such as shop fitting and film making as well as some Ministry of Defence projects.

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**FIRE RETARDANT TREATMENT PROCESS**

1. Timber is placed in an industrial treatment cylinder. A vacuum is created. The timber cells are evacuated of air and moisture inside.
2. The cylinder is flooded under vacuum with fire retardant treatment solution.
3. Hydraulic pressure is applied, forcing the treatment solution into the timber cells.
4. A final vacuum extracts excess treatment solution, which is pumped back to storage.
5. Low pressure inside timber draws in surface solution when vented to atmosphere. Treated timber is then kiln dried to a specific moisture content.

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**OUR FIRE RETARDANT FAMILY**
Our design engineers are constantly developing new treatment plant features and innovations to meet the changing requirements of our customers and industry regulations.

Typical recent developments include superior performance pump systems to help ensure the shortest possible vacuum, fill and empty times. AUTO-TREATER software also optimises all stages of the treatment process, specifically the pressure times, to achieve the appropriate treatment results for the treated timber applications.

Our plants are also designed to meet specific customer throughput requirements, particular space limitations and compliance to the Industrial Emissions Directive.

Innovation is constantly at the forefront of our business. Introducing new technologies and initiatives to bring improvements and give opportunities for your business. Here are just some of our latest developments.

**AUTO-TREATER**
This industry leading treatment plant control and management system automatically provides more consistent, market appropriate treatments for timber. It also delivers vital management information on site or remotely to make sure your timber treatment operation is working to its full potential.

**INFO-TREATER and EASY-TREAT**
These simple information and plant management software options for smaller timber treatment operations.

**BARamine Application Technologies**
BARamine application technologies are innovative and patented developments from Lonza. BARamine further boosts the already impressive performance of our TANALITH wood preservatives to help provide a deeper penetration of preservative into the wood as well as improved distribution and performance. BARamine also helps ensure the preservative actives are balanced correctly every time you treat timber.

BARamine won the Timber Trades Journal market innovation award in 2015 as well as being listed for the UK Wood Protection Association innovation award in 2018.

Our plants are also designed to meet specific customer throughput requirements, particular space limitations and compliance to the Industrial Emissions Directive.
OUR TECHNOLOGIES AND INITIATIVES

Incising for Ground Contact Timbers
The surface incising of ground contact timbers to help improve preservative penetration is nothing new. However, our technical design team has been working with industry experts in developing robust, reliable and highly effective EXCALIBUR incising technologies for both sawn and round ground contact timbers to help bring advanced and assured performance in these challenging end use environments.

Shades Pre-Colour System
Shades is one of our latest product initiatives to offer high quality and durable creative colour options for TANALITH treated timbers. Available in contemporary colours, Shades is an ideal choice for bringing a cost effective colour to cladding, fencing and landscaping timbers.

Oil Based Preservative
TANASOTE has been developed by Lonza as an oil based TANALITH treatment innovation for the protection of timber poles and sleepers as an alternative to traditional Creosote treatments. Ask us for more details.

Winning Technology
Excalibur Pro is our latest incising development providing a faster and more versatile option for sawn timbers.


...working for you
Our people and services

Any business is only as good as its people. We are proud of our dedicated and talented employees who provide focused and responsive support services that help to make us who we are, as well as making the difference for you.

Account management

Every one of our customers has a dedicated account manager. They are working for you every day, focused on timber industry dynamics that relate to your business and helping us to build successful long-term relationships. Regular business reviews will help you develop your treatment business and make sure you are making the most of our proven support services.

Supply team and customer support

Our supply team personnel are ready to take and process your product orders and arrange appropriate deliveries. Our customer support team can help to answer any day-to-day questions from you or your customers on our products and treatments.

Research and regulatory teams

Our research and development teams based at Castleford are continually liaising with our colleagues worldwide in developing innovative yet tried and tested protection products and technologies to help meet your future business and markets requirements.

To make sure our current and future products are used in a safe and responsible manner and to keep you ahead of the ever-changing regulatory requirements across all of our markets, we have a team of experienced regulatory and legal experts directly involved in a wide range of industry bodies.

Our regulatory team helped to ensure authorisation of ANTIBLU as the first major anti-sapstain timber preservative product and TANALITH as the first copper-based wood preservative under the new Biocidal Products Regulation. All our preservative products now have authorisation under the Biocidal Products Regulation, giving you real confidence in their long-term use.

PIVETEAUBOIS won the 2018 WPA Project of the Year award for the TANALITH and TANATONE treated timbers supplied to the Plaza de Toros project in Colombia.

The Lonza technical services team worked with Bond Timber to help achieve the very best preservative protection for their gold treated pine stakes.

....working for you
PLANT and ENGINEERING SERVICES

Whether you require a complete new timber treatment operation or upgrades to existing treatment plants, our experienced in-house engineers can provide full or part project management from initial design and approval, through to manufacture, installation and commissioning.

Our experienced head office based engineering services manager can quickly resolve many operational issues over the phone. We also have dedicated field engineers to help with any on-site plant problems or to deliver regular professional plant maintenance services to help keep your operation working to its full capacity.

Our design system engineers are regularly working with our customers to install and utilise our range of plant control and management software to best suit individual business requirements.

OUR PEOPLE AND SERVICES

PRODUCT MANUFACTURE and SUPPLY

The majority of our products are manufactured in our own state of the art facilities in the UK, dedicated to producing high quality, in-specification products every time.

Our supply team personnel ensure product orders are supplied to meet your delivery and timing requirements through professional chemical industry bulk delivery transport or in UN approved containers. All products have appropriate regulatory and safety labelling in place.

Our accounts team will supply professional and focused invoicing of our products and services and are always available to manage any accounting questions.

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TECHNICAL SUPPORT SERVICES

With a continual investment in the very latest technology and equipment, the technical services team at our UK technical centre is able to analyse and report back the quality of customers’ treatment solutions and treated timbers. These services help make sure you are producing high performance products for your markets.

Our field technical support team can also work directly with individual customers to help develop specific treatment cycles to best match the timbers you treat and your business requirements.

MARKETING SERVICES

Our in-house marketing and design team has a wealth of experience in the effective and creative promotion of treated timber products working directly with many of our customers. We can help create new marketing initiatives or support your existing plans, helping you to make the most of your treated timbers and add real value to your business.

OUR PEOPLE AND SERVICES
Wood Protection

Wheldon Road, Castleford, West Yorkshire, WF10 2JT
United Kingdom
Tel: +44 1977 714000
E-Mail: timberprotectionadvice.ukca@lonza.com

2, rue des Vieilles Granges
78410 Aubergenville
France
Tel: +33 1 34 75 71 29
E-Mail: apboisinfos@lonza.com

Ul. Wierzbowa 24, 62-100 Wągrowiec
Poland
Tel/Fax: +48 67 2685 909
E-Mail: rafal.zmuda@lonza.com

Hagelsnäs 30791 92 Falun,
Sweden
Tel: +46 70 371 00 31
E-Mail: orjan.norgren@lonza.com

www.lonzawoodprotection.com/eu
www.lonzafiretreatments.eu
www.restol.info

Use wood preservatives safely.
Always read the label and instructions before use.