

## Environmentally Responsible

ACQ preserved wood is a renewable timber product with low environmental impact.

Timber is one of the world's few renewable resources. Timber from sustainable plantations relieves pressure on the world's tropical hardwood resource, and avoids the use of polluting non-renewable products like steel, concrete and plastics. However, wood needs protection from rot, decay and insects (incl. termites) to perform to our expectations.

Wood impregnation with ACQ preservative provides long term protection from rot, decay and insects (incl. termites), using ingredients with minimum health and environmental hazard.

## Proven Environmental Option

First developed in 1976, ACQ was commercially introduced in the Nordic countries in the early 1980s. It has been used continuously since then in most countries of the world. That's over 30 years of global commercial use!

In the USA the EPA considered ACQ as being the most ecologically advanced product of this category, able to provide long term protection against rotting, decay, insect and termite attack so in 2002 ACQ was awarded their Presidential Green Chemistry Award.

## Description and Composition

ACQ is an Environmentally advanced "Alkaline Copper Quat" wood preservation system. Copper is an excellent proven fungicide with a long track record, which prevents rotting and decay. Copper is used in many fungicides including those approved for organic farming purposes to protect crops from disease and in water treatment.

Quat (abbreviation for Quaternary Ammonium Compound) is a disinfectant included in ACQ to impart a wider spectrum of activity against wood destroying organisms. Quat is commonly used in many applications including household cleaning products, swimming pools and hospital disinfectants.



## Supporting our customers

We are with you, every step of the way.

Your future success depends on the quality of your products and services. So does ours. That is why we work so closely with customers - helping them create a competitive advantage with our unique chemistry.

impra® backs you up with technical service, from site visits for manufacturing and product development advice to training of your people. Count on us to deliver services that matter. Plus, our broad presence across the global wood-treatment industry gives you access to knowledge and skills that know no boundaries. As innovators and problem solvers, we efficiently focus on your needs, and use our experiences with all types of wood, climate issues, production systems and wood-treatment applications to help you achieve new opportunities. We offer you a whole world of experience in the protection and preservation of wood.

[www.impra.co.uk](http://www.impra.co.uk)

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# impra lit-ACQ

## Preservation Innovation



# impra<sup>®</sup>lit

## A new partner for wood protection in Europe

RÜTGERS Organics is a leader in wood preservatives, colourants and wood coatings. Our impra<sup>®</sup>lit brand products are widely known for effective performance. While we have a tradition of success in Europe, wherever in the world we do business we support our products with skilful service. Our mindset is: "we take care of the chemistry so you can focus on running your company". Together with our customers, we have been creating great chemistry in wood protection for more than 140 years.

## Introducing Impra Wood Protection, UK

Impra Wood Protection, UK is here to give you access to advanced technology and specialized chemical engineering. We deliver sales, technical and logistics support in Europe, North America and Asia Pacific. Our office in Barrow-in-Furness, Cumbria is backed by R&D and precision manufacturing know-how from our headquarters in Mannheim, Germany. All of our preservatives conform to British, European and international standards.

## How are we different?

As you get to know us, you will see two key differences. First is our focus on technology. We are big enough to have an innovative R&D program generating patented, proven products. Second, we are small enough to focus intently on delivering personalized service to our customers. In short, we believe in partnering with our customers to achieve the optimum outcomes for their business.

# impra<sup>®</sup>lit

## Preserved Wood Performance

impra<sup>®</sup>lit-ACQ has a long track-record as an effective timber preservative in commercial use fully backed-up by laboratory and field tests according to EN 599. Laboratory tests confirm impra<sup>®</sup>lit-ACQ is effective against specific organisms including softrots, decay fungi, woodworm and termites.

Outdoor Field Exposure tests have been performed on impra<sup>®</sup>lit-ACQ since the early 1980's. That's almost 40 years of testing! impra<sup>®</sup>lit-ACQ has been tested in all climates of the world including tropical sites with extreme decay and extreme termite hazards, temperate wet climates, and severe wetting and drying conditions.

With such extensive testing under these wide ranging conditions and over long periods of time, impra<sup>®</sup>lit-ACQ has been scrutinized more than most preservatives new or old.

## Preserved Wood Appearance

impra<sup>®</sup>lit-ACQ preserved wood...

- ... has an olive green appearance which weathers to a tan brown on exposure to sunlight and eventually fades to silver grey
- ... surface is non-oily and non-greasy
- ... is odour-free and is clean to handle
- ... has an attractive appearance, because of the uniformity of its colouration after two or three weeks of weathering

# impra<sup>®</sup>lit

## ULTRAWOOD

ULTRAWOOD, added to impra<sup>®</sup>lit-ACQ, makes treated wood water resistant and defends it from the weather.

Rain, snow, ice, even lawn sprinklers, make wood swell. As it dries, the wood shrinks. This constant swelling and shrinking causes wood to crack, warp and split. ULTRAWOOD is added to impra<sup>®</sup>lit-ACQ at the treatment plant and is pressure impregnated deep inside the wood.

**THE PROTECTION IS BUILT IN, NOT BRUSHED ON!**

ULTRAWOOD stabilises the wood reducing the damaging effects of weathering and the effect lasts for the life of the wood! Nevertheless, if you want to paint or varnish your wood, ULTRAWOOD can be coated provided the instructions of the coating's manufacturer are followed.

## impra<sup>®</sup>lit-ACQ Advantages

- Fungicide
- Insecticide
- Anti-termite
- Quality and Durability
- 25 years Proven Performance
- Global Recognition
- Cost Effective Mouldex
- Ultrawood Water Repellent
- Brown Colourants
- Technical Service and Advice
- Engineering Services
- Conforms to Biocidal Product Regulation No 528/2012
- Conforms to REACH



## impra<sup>®</sup>lit-ACQ International Approvals

- WPA in the UK
- AWPA and ICBO ES in the USA
- AQIS and AS 1604 in Australia
- FCBA in France
- FRI and TPC in New Zealand
- JWPA in Japan
- NTR in Nordic Countries
- KOMO in the Netherlands

