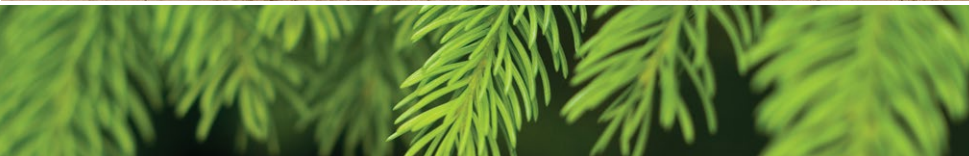




## BLUE CONTROL® COPPER BASED ANTISAPSTAINS



[kopperspc.co.nz](http://kopperspc.co.nz)

Blue Control antisapstain chemicals have been developed to meet the needs of New Zealand timber and log processors and exporters.



#### Blue Control OC

Contains oxine copper, formulated as a soluble concentrate. It is similar in some respects to traditional oxine-copper formulations but contains a much higher concentration of oxine copper (2.5 times more) and has been specially formulated to achieve the additional benefits described below.



#### Blue Control OCA

Contains oxine copper plus carbendazim, formulated as a soluble concentrate.



#### Blue Control OF

Contains oxine copper plus fenpropimorph formulated as a soluble concentrate. The formulation has been specifically designed to provide protection for logs but can also be used on sawn timber.



#### Blue Control Plus

Contains oxine copper and chlorothalonil as a one pot system for the long term protection of green sawn timber. The copper and chlorothalonil are present at the desired ratio for best performance in export conditions.

#### MAJOR FEATURES OF BLUE CONTROL PRODUCTS

Concentrate and working solutions are true solutions (except Blue Control PLUS)

- Biocides are stable under normal conditions
- Concentrates and working solutions have stable pH (active ingredients do not precipitate under normal operating conditions)
- They contain neither surfactants nor organic solvents. They are easily stored even at zero or lower temperatures
- Very simple to mix and use

#### WHAT BENEFITS WILL USERS EXPERIENCE?

##### More stable and predictable concentration of active ingredients in working solutions.

- Less stripping out of actives
- A significant reduction in the green-yellow surface discolouration that is often encountered with copper compounds
- More consistent surface coverage on timber

##### No surfactants and solvents

- No flammability
- Greatly reduced foaming and the cost and labour associated with use of antifoam or defoamer additives.
- No temperature effect on viscosity, resulting in similar uptakes all year round
- Similar or lower corrosivity than other oxine copper formulations
- Increased solution tolerance to iron stain resulting in less or no iron stain additive required

##### Simple to analyse in working solution

- Enables effective quality control



## APPLICATION RATES

Applications rates for Blue Control products vary depending on

- Timber species
- Use on sawn timber or logs
- Desired period of protection
- Method of application i.e. dip or spray
- Surface finish i.e. rough sawn or planed
- Climatic storage conditions
- Export or domestic markets
- Moisture content of the wood

Blue Control Plus offers enhancement in performance and provides cost effective protection under very severe conditions.



## PRODUCT QUALITY AND CUSTOMER SERVICE

Koppers is committed to producing quality products backed by highly trained and professional customer service staff.

### QUALITY ASSURANCE

- Manufactured to strict quality requirements.
- Simple on-site QC test.
- Continually monitored product performance with our customers.
- Backed by ongoing in-house research and development into new formulations and application technologies.
- Koppers has a highly qualified and experienced Technical Support Team to support all of its anti-sapstain formulations.
- Our combination of business, technical and engineering expertise means we can help our customers use the most practical and cost effective technology.

## CUSTOMER SERVICE PROGRAMMES

**Designed on a site by site basis and generally include:**

- Review and recommendations to existing application and QA practices (for new customers).
- Technical Support person to assist your business.
- Regular service calls.
- On site resolution of technical problems, or referral to our internal technical network for more complex issues.
- Application technology.
- Surface loading analysis.
- Operator training in product knowledge, application techniques, product testing, health, safety and environment issues.
- Laboratory services.
- Quick response time.
- Efficient product delivery.

## PACKAGING

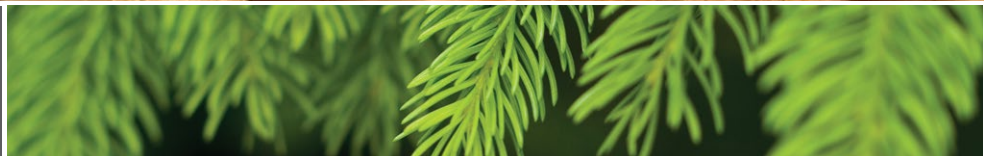
Blue Control products are available in 20 litre pails, 200 litre drums and 1000L IBCs.

### IMPORTANT INFORMATION

- Antisapstain (short/medium term timber preservative)
- Wear gloves and other personal safety equipment to avoid contact with the antisapstain preservative during application.
- Some antisapstain preservative may migrate from the treated wood or may dislodge from the treated wood surface on contact with skin.
- Wash work clothes separately from other household clothing before re-use.
- Wear dust mask and goggles when cutting or sanding wood.
- Do not use antisapstain treated wood under circumstances where the preservative may become a component of food, animal feed or beehives.



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