CHURTON PACIFIC LIMITED

NATURAL TIMBER FINISHING & PRESERVATIVES
CEDAR RESTORATION SERVICES

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Technical Data Sheet

AP5

For Anti-Microbial Preservation
Control of Sapstain
Control of Mould & Fungus
On Wet Timber

Characteristics: For use on wet timber, newly peeled logs and newly sawn undried timber.

AP5 is a contact fungicide – it helps prevent & control rot, mould and fungi. When used on newly peeled logs, it prevents SAP STAIN.

The active ingredient, Copper quinolinolate (Copper 8) has been proven as a low toxicity, highly effective timber preservative.

Copper 8 gives our AP5 and CD50 products their highly effective action against mould, bacteria & fungi, along with their very low toxicity to plant, animal and human life.

Features: AP5 :

- Is safe to use
- Fixes within 5 minutes of application
- Is stable to ultra violet light
- Has excellent leach resistance
- Can be painted or coated over

Typical uses: AP5 is registered pursuant to the NZ Preservatives Act 1979 No 3974.

AP5 can be used:

- To preserve timbers not suitable for tanalising. AP5 is particularly suitable for use on newly sawn timber and newly peeled logs as it uses the natural moisture in the timber to penetrate into the timber. When used directly after peeling, it helps prevent development of sap-stain.
- In situations where timber is wet and rotting - to prevent further rot, and control moulds and fungi already present in or on the timber. AP5 is a contact fungicide.
- For general wood preservation to help control decay, rot, mould, mildew, and insects.
- Due to its low toxicity, AP5 can be used on timber in contact with fruit, vegetables and foodstuffs, eg boxes, bins, trays, stakes, pallets, fences, shingles, weatherboards, furniture, millwork, beehives etc.

- To control mould and mildew on paint, varnish, concrete, brick, tile, fibrolite, wood, paper, leather, textiles, rope, canvas, gib, plaster etc

Efficacy:

Copper quinolinolate is effective against: Actinomyces gramicium, Alternaria sp, Aspergillus niger, Aspergillus oryzae, Aspergillus viride, Cerospora betae, Fusarium sp, Myrothecium verracaria, Penicillium sp, Phoma betae, Pythiym sp, Septoia sp.

Fungi which attack wood: Alternia tenius, Aspergillus flavus, Chaetamium globosun, Cladosporium herbaruma, Lentinus lepidus, Lenzites tracea, Paecilomyles varioti, Penicillium funiculoum, Pullullaris pullulans, Polyporus abietinus, Poria monticola, Schizophyllum commune, **Stachybotrys atra**, Sterigmmatocystic nigra, Trichoderma viride.

Bacteria Gram-positive: Staphylococcus, Streptococcus, Bacillus subtilis, Sporogenous bacillus. Bacteria Gram-negative: Bacillus pyocynanis, Bacillus prodigiosus, Escherchia coli, Salmonella typhi

Directions for use:

When diluting always ADD CONCENTRATE TO WATER. AP5 can be applied by brush, spray, roller or dipping.

For Log Buildings - Apply AP5 to freshly sawn timber or peeled round wood free of fungal infection.

(To slow down drying of large logs & reduce checking on log ends, - CD50-LOG is the better product to use. See CD50-LOG Technical Data Sheet)

Spray Application:

Use knapsack, garden or similar airless type spray & spray to saturation.

6sqm/litre minimum Dilution: 4 parts clean water to 1 part AP5

Brush Application

Use neat on cut joints, notches etc.

Other surfaces Dilution: 4 parts clean water to 1 part AP5

Dipping

Use plastic lined or stainless steel tanks

60 minute dip Dilution: 20 litres clean water to 1 litre AP5

5 day dip Dilution: 50 litres clean water to 1 litre AP5

With Paint

If adding concentrate AP5 to paint, allow for possible yellowing light colours. For this reason it is best to add only to undercoat or first coat.

For most brushing applications Dilution: 5 parts clean water to 1 part AP5

Paintable after 48 hours. Use plastic or stainless steel containers.

Drinking Water Surfaces

AP5 can be used where drinking water is run off treated surfaces.

- Spray surface with AP5 dilution rate 5 parts clean water to 1 part AP5
- Leave for 48 hours before applying one coat of **CD50** Clear. If a silver grey colour is required the one coat is sufficient. A further coat may be added when a mature silver colour has been obtained. If natural or other cedar colour is required, use the appropriate colourtone.

NB Roof should be left to weather for three months following final CD50 application to allow time for reasonable rainfall to remove oil taint. Toxicity levels of active ingredient will not affect drinking water.

Safety: Wear suitable clothing/overalls, synthetic rubber/ PVC gloves and eye protection when diluting concentrate and when spraying or handling freshly treated timber.

Avoid direct contact of product with skin and eyes.

Wash hands and exposed skin before meals and after work.

Do not eat, drink or smoke when using product or handling treated timber.

Wash overalls regularly, remove wet contaminated clothing immediately.

Toxic to fish. Avoid contamination of any water supply with the chemical or empty container. Keep away from food, drink and animal foodstuffs. Keep out of reach of children. Dispose of empty container safely.

First Aid: Wash splashes off skin immediately. If eyes become contaminated, flush with water for 15 minutes. If swallowed give a glass of two of water then cause vomiting by putting a finger down the throat. Repeat until vomit fluid is clear in appearance. Call a doctor.

Conditions Of Supply: All goods supplied by Churton Pacific Ltd., are produced under rigidly controlled procedures which assure the purchaser that at the time of sale the products are physically suitable for use in the matter stated. However as we cannot exercise control over the mixing and use of products, or weather conditions, no responsibility will be accepted for any damage or injury, which may arise from careless storage, handling, application or use.

Information: Specific information relating to the application and handling of this product may be obtained solely from Churton Pacific Limited, 15A Vega Place, Mairangi Bay Industrial Estate, AUCKLAND. Phone/Fax (09) 478-4370, 0800 107 555