CHURTON PACIFIC LIMITED

NATURAL TIMBER FINISHING & PRESERVATIVES
CEDAR RESTORATION SERVICES

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Technical Data Sheet

CD50-LOG

Timber Preservative and Stabiliser On Dry Timber

Characteristics: CD50-LOG is an oil based timber preservative with Copper quinolinolate (Copper 8) as its active ingredient. It is one of the family of CD50 products.

Copper 8 is a low toxicity, highly effective timber preservative. It gives our AP5 and CD50 products their highly effective action against mould, bacteria and fungi, with a very low toxicity to plant, animal and human life.

CD50-LOG is a surface applied pre-treatment for **dry timber**, especially for logs and thicker timber.
It can be used on timbers which are not suitable for tanalising, where the timber is above the ground and the timber is dry.
CD50-LOG can be used on untreated timber and joists above ground level.

Features: CD50-LOG has a particularly fast and deep penetration into the timber. One application at a rate of 6 sqm/litre can penetrate up to 70 mm in Pine or Douglas Fir with a moisture content less than 15%.

CD50-LOG allows the internal moisture to be released while protecting against atmospheric moisture. CD50-LOG will reduce the moisture content of timber within 1-2 months of application to about 9-12% and maintain this, even in humid conditions. This means that CD50-LOG is particularly effective on thick timber, logs, poles, beams, laminated timbers etc

CD50-LOG:

- Helps controls moulds, fungi and bacteria on timber
- Gives dimensional stability - controls warping, cupping, splitting
- Is stable to ultra violet light
- Can be painted or coated over with suitable key coats
- Is safe to use – has low toxicity

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

Typical uses: Log Home construction

Preservation of thick timbers - poles, beams etc

Untreated timber including joists above the ground

To control Mould and Fungi on timber, once the timber is dry

Directions for use: CD50-LOG is a surface applied oil which is sprayed or brushed onto **dry timber**. Application is repeated according to the thickness of the log/timber. Normal size joists and framing require only one application.

Important: CD50-LOG penetrates through timber and other porous materials. Where any porous material (Gib, plaster etc) is to be attached to, or touches timber treated with CD50-LOG, at least one of the adjacent surfaces must be coated with WETSHIELD (Churton Pacific's CD50 compatible Urethane). This will prevent staining of the other material.

Where the underside of flooring is treated with CD50-LOG, the product may penetrate through the floor and affect flooring coverings, adhesives etc. This must be considered when using CD50-LOG under existing buildings.

Log Home Builders: If newly felled logs are to be treated, apply once the surface has started to dry, leaving the ends or preferably the interior untreated to allow moisture to be driven out. This will slow drying and help prevent checking on log ends. Apply one liberal coat and leave to soak for up to one week. Repeat application according to thickness of the log/timber. This allows time for CD50-LOG to migrate through the fibres as timber eliminates moisture.

Apply at a rate of 5 sq m per litre, with 1 application (minimum) per 100mm diameter of log, ie 4 coats for a 400mm diameter log. Apply at about 7 day intervals.

(CD50 is used as after CD50-LOG applications are complete. This regime gives the deep fast protection of CD50-LOG, and then the superior surface water repellency and colour retention of regular CD50 in the second coat. Use CD50 as directed – 2 coats at least 4 weeks apart at 5-7 sq m per litre)

If intending to use a colourtone in the CD50, use the colourtone also in the CD50-LOG coats as colour retention will be increased.

Safety: Wear suitable clothing/overalls, synthetic 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.

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 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.