

Wolmanit® CX-10

Wood preservation according to DIN 68 800
Number of approval: Z-58.1-1386
Codes of range of application: Iv P W E

Characteristics

Liquid, chromium-free wood preservative salt based on inorganic copper and boron compounds and organic ingredients, providing prophylactic efficacy against wood-destroying fungi including those causing soft-rot as well as against wood-destroying insects, but not effective against blue-stain and mould. After fixation in the wood the preservative is difficult to leach, weather-resistant and innocuous to plants.

For wood preservation only according to the present instructions.

Use

For the preservation of structural timber for interior and exterior use, for timber with ground and water contact, in particular for timber used in horticulture and landscape gardening, posts, vine support, fences, palisades, playground equipment and wood paving.

Physical Data

Density:	approx. 1.27 kg/l at 20 °C
Odour:	weak
Colour:	product and its solution: blue treated timber: greenish
pH-value:	approx. 9.6 at 2 % concentration and 25 °C

Application

Wolmanit CX-10 is suitable for application by industrial treatment methods, e.g. vacuum pressure method and oscillating pressure method.

Retention

Hazard class 1: timber covered by roof (constantly dry): 2 kg/m³

Hazard class 2 + 3: timber covered by roof (temporary wetness possible) and exterior timber without ground contact: 3 kg/m³

Hazard class 4: exterior timber with permanent ground contact and/or freshwater contact (poles, posts, palisades, pergolas etc.): 4 kg/m³.

Timbers exposed to severe leaching need a full cell pressure treatment . *) (hazard class 4).

Treatment Concentration

Hazard classes 1, 2 and 3: at least: 1.0 % solution

Hazard class 4:
at least 1.5 % solution for pinewood
at least 2.0 % solution for spruce

Preparation of solution

Wolmanit CX-10 is miscible with water in each ratio. The solution can be homogenized by short stirring. The concentration can be determined by means of a conductivity-meter.

Storage of treated timber

Within 24 hours the fixation has been terminated to a large extent.

The recommended fixation time for timbers with ground contact is 2 weeks (without frost days).

During the entire storage time in the impregnation plant it must be ensured that no wood preservative components get into the soil.

Labelling

C - Corrosive

Ingredients

3.50 % Bis-(N-Cyclohexyldiazoniumdioxo)-copper
16.30 % Copper(II)hydroxide carbonate
5.00 % Boric acid

Storage

Wood preservatives are only to be stored in original containers and out of reach of unauthorized persons and children.
Observe the rules and regulations pertaining to storage of water-hazardous liquids, i.e. it has to be ensured that the preservative does not get into the ground, into ground water, or into surface waters.

*) Also mentioned in the technical leaflets "Technical Directions I - III for the vacuum pressure impregnation"

General directions

Observe safety data sheet as well as leaflet of the "Deutsche Gesellschaft für Holzforschung e. V. (German Association of Timber Research)" laying down the rules for secure service of vacuum pressure plants with water soluble wood preservatives.

The wood preservative may only be applied in hazard classes 1, 2, 3 or 4 in accordance with DIN 68 800-3, but

- not for timber in direct contact with food and feeding stuffs
- not for large surface application on wooden components (proportion of area/room volume equal or bigger than 0.2 m²/m³) within rooms or as partitioning of rooms which are continually occupied by human beings or animals, or destined for the storage of foodstuffs or fodder, if the wooden components facing the interior have not been covered.

The wood preservative must not be applied by spraying.

Utilisation only in industrial plants.

Use protective gloves and goggles, and do not eat, drink and smoke when working with the preservative. After work, face and hands should be washed carefully with water and/or a suitable cleaning agent.

When changing over to Wolmanit CX-10 rust particles in the vacuum pressure plant might come off for a short time. During stoppage periods rust films might develop in the impregnating pressure cylinder.

Water with a high electrolyte concentration can increase the corrosiveness of the solution. Please check suitability.

It is generally recommended to provide the plant with a suitable coating.

Adding colouring agents to the treating solution might impair the impregnation success and increase corrosion.

Wood preservatives contain biocides for the protection of timber against insects and/or fungi. They are only to be used according to the directions for use and only in those cases where protective measures are necessary. Misuse may be injurious to health.

The above information has been compiled according to the latest techniques of development and application. As the use and processing of the product is not within our control we can only vouch for the unchanging quality of our wood preservatives. In cases of doubt, please consult our technical service for advice.
