



ENVIRO STAIN™

BORACOL 20-2BD

DESCRIPTION BORACOL 20-2BD is a clear solution of 19.6% Disodium octaborate tetrahydrate and 1.0% didecyl dimethyl ammonium chloride in propylene glycol and water. It is designed for use as a surface treatment in-situ building material to prevent and kill fungal attack and preserve against attack from both mould and wood boring insects. It penetrates 3-5mm into the wood and establishes a reserve from where further penetration takes place (40mm in 2 years has been demonstrated). It can also be used as an initial preventative treatment.

APPLICATIONS

BORACOL 20-2BD is a wood preservative which is fungicidal and insecticidal with an added preventative mouldicidal effect; is fungicidal when used as a preventative treatment and fungicidal when used as an eradicant and effective in preventing mould on wood and stone as well as other absorbent surfaces.

- A) As a surface treatment to prevent and kill dry rot, wet rot and white rot in-situ building material.
- B) As a surface treatment to preserve existing and new timbers against fungal and insect attack.

PRODUCT BENEFITS

- Very low acute mammalian toxicity
- Very low vapor pressure (Negligible loss of active ingredient by evaporation)
- Deep penetration into timber; even penetrates heartwood
- Practically odorless and non-staining
- Non-Flammable
- Wider spectrum of activity than conventional preservatives

CHARACTERISTICS

- Coloring Colorless
- Odor Very Low
- Form Liquid
- Disodium octaborate tetrahydrate 19.6% W/W (Na₂ B₈ O₁₃, 4H₂O)
- Contains Environmentally Acceptable Propylene glycol
- Didecyl Dimethyl Ammonium Chloride (DDAC) 1.0%
- Flashpoint Above 107°C
- Viscosity 108 sec +/- 5 sec Z#2
- Recommended spray tip 15-17 thou

- Fire and Explosion Does not increase ignition point of wood
- Cleanup Soap and Water
- Corrosion None, may cause slight oxidizing of bare metals
- Aggressivity Doesn't attack glass, textiles, plaster, rubber, putty, mastics, sealants or paint systems.
- Adhesive Application Wood impregnated can be glued
- Shelf Life 6-12 months in cool, dry conditions.
- VOC 780 g/L

PACKAGING

Available in 1 and 5 US gallon containers and 50 US gallon drums.

PREPARATION

Roof Timbers Surface debris, dust and cobwebs must be removed and timbers thoroughly cleaned using an industrial vacuum cleaner. Insulation must be removed, water tanks and electrical junctions covered, ventilation ensured and common roof voices screened. Walking boards and safety lights should be installed.

Floor Timbers Floor coverings must be carefully removed, timbers thoroughly vacuumed and sufficient access boards removed. Ventilation must be ensured without affecting adjacent areas with overspray.

Joinery Painted architrave's and skirtages must be removed or pried away from the wall and the unpainted surfaces cleaned.

APPLICATION METHODS

BORACOL 20-2 may be applied by brushing, dipping spraying to refusal or by injection. Do not apply Boracol 20-2BD when raining or extremely high humidity.

To reduce the loss of active ingredients in Boracol it is recommended to coat the wood using a wood protective coating that offers good water repellence. The drying time of Boracol is dependent on many factors including wood moisture content and environmental conditions. Consider this and test appropriately before applying any surface coatings. Before applying any surface coatings we recommend preventing moisture flow over the treated surface by shielding with a tarp as needed. Follow the manufactures directions for use prior to applying surface coatings over Boracol including preparation steps such as sanding

COVERAGE

- Rough Sawn timber (brush)
.....1 litre to approx 3m² surface
- Smooth prepared timber (brush).....
..... 1 litre to approx 3-4m² surface
- By spray (either surface)
..... 1 litre to approx 3-4m² surface
- To prevent attacks..... 3-6m²/litre
-To eradicate established attacks
..... 2-3m²/litre
- Fungi in wood 1m²/litre*
- Insect attacks 1m²/litre*

*Divide between two applications.

*(If wood is already attacked by fungi, mould or insects, it may absorb more per m²)

The Boric Acid equivalent is 1.2 times the amount of Boron in Boracol 20-2BD. (Approx. 24% Boric Acid equivalent)

STORAGE

Store in original containers, tightly closed and in a safe place. Do not allow to freeze.

SAFETY See Material Safety Data Sheet

WARNING TO USERS

Keep out of reach of children. Keep away from animal feedstuffs.

Before determining the most appropriate product it is necessary to specifically identify the source of the problem, so that the best method of treatment can be applied. Technical advice of this nature is available from your supplier or your local Technical Agent.

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September 2014

*On exterior exposed surfaces Boracol drying times will dramatically vary depending on environmental and substrate moisture conditions. Letting the substrate dry for a minimum of 24 hours and up to 2 weeks, is a possible requirement to prevent the Boracol from affecting the dry time of the surface coating.