PRESCHEM BIOGUARD

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TECHNICAL DATA SHEET

DESCRIPTION

Solid slow release wood preservative pre-formed in a roll of impervious polyethylene matrix. This is applied to the exterior groundline region of wooden poles to control brown rot, white rot, soft rot and termites.

MODE OF ACTION

Preschem Bioguard (BG20) is recommended for the remedial treatment of external decay and termite attack in standing poles. In the presence of moisture, the solid preservative discs within each reservoir slowly dissolves releasing the active Boron and Fluorine. This freely diffuses into the timber killing any biodeteriogens and provides the pole with protection from further attack. Bioguard is capable of delivering up to 2 kg/mg^3 of both elemental Fluorine and Boron throughout the entire groundline region of the pole. Within 12 months of Bioguard installation, the critical outer 50mm shell, at the groundline region of each pole, will have a sufficient preservative retention to sterilise and protect this region from further deterioration. Bioguard is designed for replacement every 3-5 years. Maximum service life of wooden poles is obtained if Bioguard is used in conjunction with *Preschem Polesaver Rods (PS10)* which are used to control any internal biodegradation problems.

ACTIVE INGREDIENTS

Active constituents- 124 g/kg Boron (B)
110 g/kg Fluorine (F)

SPECIFICATION

Appearance:	white discs of 15 mm diameter × 8 mm depth preformed in clear polyethylene sheets lined with reinforced paper.
Solubility in water:	soluble (9.5% at 20^oc)
pH:	7.6 (at a 10% concentration of material)
Odour:	nil
Corrosivity:	non-corrosive
Compatibility:	compatible with metals and plastic
Stability:	stable indefinitely if stored in cool dry place.

PRECAUTIONS FOR USE

For use as a wood preservative. Avoid contact with skin and eyes. Use impervious gloves when handling. The material is non-flammable. Store in the closed original container in a well-ventilated area as cool as possible. Do not store for prolonged periods in direct sunlight. Dispose of packaging at an approved disposal site.

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DIRECTIONS FOR USE

1. Excavate soil around the pole to a depth of 300mm. Clean excess soil off the pole. It is not necessary to cut off soft, rotted or decayed timber; this will aid diffusion if left in place on the pole.
2. Measure the pole circumference at the widest point below groundline. Cut the Bioguard to allow 25-50mm overlap. Staple the top and bottom edges of one end of the bandage to the pole so that the top of the bandage is 50mm below true groundline. This will allow for soil stabilisation and will reduce the risk of the public or livestock gaining access to the bandage.
3. Wrap the polyethylene bandage tightly around the pole (it will stretch) and staple the leading top and bottom edges in place. For poles situated in wet areas or poorly drained soil, sealing the bottom edge of the bandage with PVC tape is recommended. (other directions for Bioguard installation in wet areas below)
4. Never go around earth wires or underground services with the bandage. Butt up to these obstructions to ensure that contact always exists between the bandage and the pole surface. Where a pole has sapwood almost down to the groundline, as often seen on natural round poles, then it is more effective to fit the bandage underneath the overhang. Do not run it up and over an outward step or taper.
5. Wrap the specified PVC tape tightly around the top edge of the bandage to ensure a good seal and therefore reduce water ingress into the bandage.
6. Backfill half the soil from around the pole firmly compacting it without damaging the bandage. Neatly fill the remaining soil also compacting it to ensure the soil is sloped away from the pole to allow surface water to drain away. The top of the black sealing tape should be just visible above the groundline after settlement of the soil.
7. **For Wet Areas**. In wet areas a heat shrink plastic may be used to fully seal the Bioguard Bandage against the pole surface. Preschem provides the heat shrink plastic free of charge upon request. Installation instructions for the heat shrink plastic are provided with the product.

PACKAGING Available in rolls of 10m length; 2 rolls per carton.
2 rolls of PVC tape included with each carton.

SAFETY Refer to Material Safety Data Sheet (MSDS) for instructions.

Manufactured by

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