



PRESCHEM POLESAVER RODS (PS14)

(14mm diameter x 125mm long)

TDS 05
Date: Nov 2014
Page 1 of 3

Technical Data Sheet

DESCRIPTION

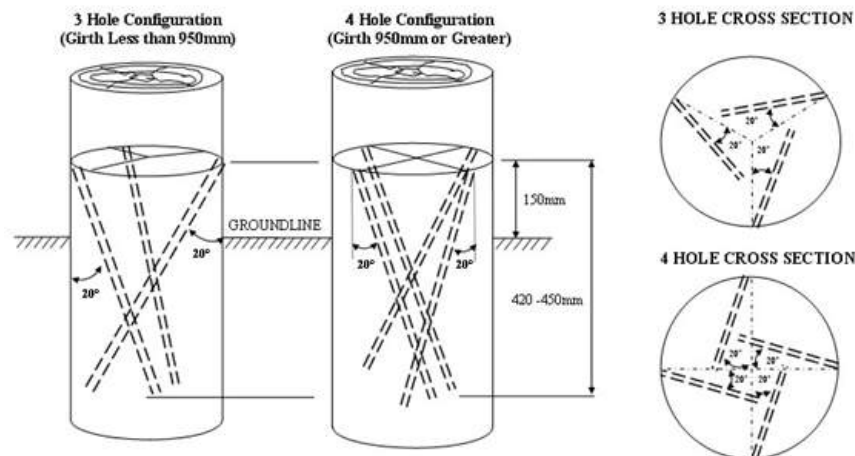
Solid rods of concentrated elemental Boron and Fluoride manufactured as slow release wood preservatives for the control of fungal decay in the heartwood of poles and other structural timber.

Active constituents	124g/kg Boron (B)
	110g/kg Fluorine (F)
Appearance	White solid rods 14mm diameter x 125mm long.
Solubility in water	Soluble (9.5% at 20°C)
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 a cool dry place

INSTALLATION METHOD (Three holes)

This drilling pattern is designed to focus treatment to the pole centre

1. In poles with a circumference of up to 950mm - Drill three equally spaced abaxial holes of 16mm diameter at about 20° to the vertical into each pole, each hole starting about 150mm above groundline, extending to approximately 300mm below groundline (total length 420 - 450mm). Drill 4 holes in poles with a circumference greater than 950mm.
2. Insert 3 Preschem Polesaver Rods into each hole
3. Screw a tapered plug into each hole, flush to the pole surface.





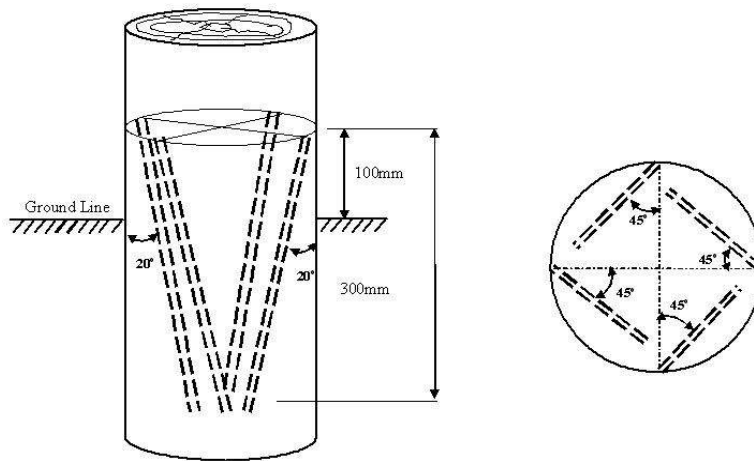
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ALTERNATIVE INSTALLATION (Four holes)

This drilling pattern is designed to treat in the annulus of the pole

1. Using a 16mm drill bit drill four holes at a height of 100mm above groundline, 90° apart at an angle of 20° to the vertical and 45° to the tangent of the pole.
2. Insert two Preschem Polesaver Rods into each hole.
3. Screw a tapered plug into each hole flush to the pole surface.



INCREMENTAL TREATMENT

The above methods provide a full treatment to the groundline section of the pole. An approved alternative to a full treatment is the incremental or progressive treatment where one abaxial hole is bored and treated on a cyclic basis until the complete treatment is achieved after 3-4 cycles. This method can be utilized to avoid drilling unnecessary inspection holes which are used to determine the internal condition of the pole. It must be recognized that full coverage of actives is not achieved until all treatment holes are installed.

STERILISATION OF INSPECTION HOLES

Where 16mm holes have been used for inspection of the internal section of a wooden pole, sterilisation of any hole can be achieved by inserting 14mm Polesaver rods into the hole and sealing with a plastic plug.

MODE OF ACTION

Preschem Polesaver Rods are recommended for the remedial treatment of heart rot in standing poles as well as for other timber structures subject to the ingress of water. In the presence of moisture inside the timber, the rods will slowly dissolve releasing the active ingredients, Boron and Fluorine, which diffuse into the timber to kill any biodeteriogens and provide protection from further attack. The rods are able to deliver up to 1.3 kg/m³ of elemental boron and 1.2 kg/m³ of elemental fluorine in the



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treated zone. These loadings are more than adequate to inhibit most decay, fungi and insects.

CYCLIC TOP UP Active ingredients released into the pole deplete over time and cyclic top up of polesaver rods into existing treatment holes is necessary. Typically inspection cycles adopted by Australian Utilities adequately meet this requirement.

PRECAUTIONS FOR USE To be used as a wood preservative only. Avoid contact with skin and eyes. Use impervious gloves when handling. Store in the closed original container in a cool, well-ventilated position. Keep packages dry and do not expose boxes to moisture or humidity. Do not store for prolonged periods in direct sunlight. Dispose of packaging at an approved disposal site.

PACKAGING Available in boxes containing 100 rods. Six boxes are packed into an outer carton.

SAFETY Refer Material Safety Data Sheet for instructions.