



## CobraRod™ Installation

The highest incidence of wood rot and decay happens at the ground line. The CobraRod targets this area and prevents fungal decay, termites, carpenter ants, various beetles and other wood-boring insects.

This revolutionary combination of copper and boron is proven effective, safe and easy to use. North American utilities have trusted the CobraRod to extend the life of their wood poles. Now you too can benefit from this simple solution.

- Effective wood preservative
- Easy to use

- Treatment cycle is 8 – 10 years
- No mess or clean-up

- Safe to handle
- Environmentally friendly
- Used by utilities

### Application Sites

- Decks, exterior steps, porches
- Fence posts
- Log construction

- Flooring and foundation systems
- Garages, gazebos, sheds

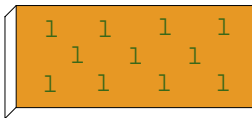
- Farm buildings
- Wherever Wood is Used

### Installation Instructions You will need:

- Drill with 1/2" bit • Hammer • [Cobra Rods](#) and [Cobra Plugs](#), [Caulk](#), or [Chinking](#)

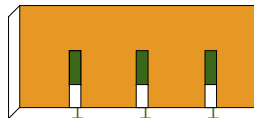
## How To Position Rods In Wood

DIAGRAM 1



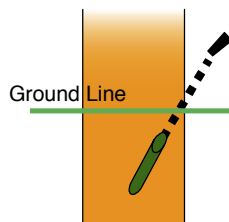
Staggered Drill Pattern

DIAGRAM 2



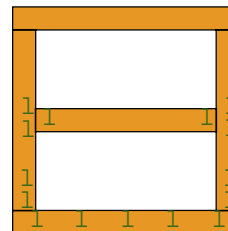
Linear Drill Pattern

DIAGRAM 3



Angled Drill Pattern

DIAGRAM 4



Millwork Drill Pattern

DIAGRAM 5



**Angled Drill Pattern Near Log Ends**  
(On upper or lower side of logs. Placing on lower side of log will make rods less noticeable.)

DIAGRAM 6

Linear Drill Pattern In Sill Logs  
(New Construction)



DIAGRAM 7

Angled Drill Pattern In Logs



Refer to the Recommended Application Rate Tables on the next page for information concerning the number of rods required per lineal foot of wood.



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Wood ends and joints are particularly susceptible to fungal attack and an appropriate size rod should be inserted within 3 inches of any end or joint in high-risk areas.

Linear spacing along the grain should never exceed 15 inches on center and spacing across the grain should not exceed 6 inches on center. After the rods are in place, the holes should be plugged using a plastic plug, wooden dowel, caulk, chinking or wood putty. The treated area can be painted, stained, or coated with any appropriate finish.

### Application Steps

1. Drill appropriate size holes to accommodate the number and size of CobraRods required. Drill hole size should be approximately 1/16" larger than rod size. Plug size should be approximately 1/16" larger than hole size. (Consult the recommended Application Rate Table for this information).
2. Insert the CobraRods into the hole or holes.
3. Plug the hole with a plastic plug, wooden dowel, caulk or wood putty.

Preventative Application for Vertical Posts and Timbers (Groundline)			
Lumber	2" Rods	3" Rods	4" Rods
4" x 4"	1	—	—
4" x 6"	2	1	1
4" x 8"	2	1	1
6" x 6"	2	1	1
6" x 8"	3	1	2
6" x 12"	4	1	2
8" x 8"	4	1	2
10" x 10"	6	1	3
12" x 12"	N/R	2	4
Round Logs	2" Rods	3" Rods	4" Rods
4"	1	—	—
6"	2	1	1
8"	3	1	2
10"	4	1	2
12"	6	1	3
14"	7	2	4
16"	N/R	2	5

Preventative Application for Horizontal Timbers						
Lumber	Number of 2" Rods	Spacing	Number of 3" Rods	Spacing	Number of 4" Rods	Spacing
4" x 4"	1	14"	1	14"	—	—
4" x 6"	1	14"	1	14"	1	14"
4" x 8"	1	12"	1	14"	1	14"
6" x 6"	1	11"	1	14"	1	14"
6" x 8"	1	8"	1	14"	1	14"
6" x 12"	2	11"	1	14"	1	10"
8" x 8"	2	12"	1	14"	1	11"
10" x 10"	2	8"	1	14"	1	7"
12" x 12"	3	8"	1	14"	2	10"
Logs	Number of 2" Rods	Spacing	Number of 3" Rods	Spacing	Number of 4" Rods	Spacing
4"	1	14"	1	14"	1	14"
6"	1	14"	1	14"	1	14"
8"	1	8"	1	14"	1	14"
10"	2	10"	1	14"	1	9"
12"	2	7"	1	14"	1	6"
14"	3	7"	1	13"	2	10"
16"	4	8"	1	10"	2	7"

Treatment of Vertical Posts and Timbers with Existing Decay (Groundline)			
Lumber	2" Rods	3" Rods	4" Rods
4" x 4"	3	N/R	N/R
4" x 6"	4	1	2
4" x 8"	5	1	3
6" x 6"	5	1	3
6" x 8"	7	2	4
6" x 12"	10	2	5
8" x 8"	9	2	5
10" x 10"	N/R	3	7
12" x 12"	N/R	4	10
Round Logs	2" Rods	3" Rods	4" Rods
4"	2	—	—
6"	4	1	2
8"	7	2	4
10"	11	2	5
12"	15	3	8
14"	N/R	4	10
16"	N/R	6	13

Treatment of Horizontal Timbers with Existing Decay						
Lumber	Number of 2" Rods	Spacing	Number of 3" Rods	Spacing	Number of 4" Rods	Spacing
4" x 4"	1	8"	—	—	—	—
4" x 6"	1	5"	1	14"	1	11"
4" x 8"	2	8"	1	14"	1	8"
6" x 6"	2	7"	1	14"	1	7"
6" x 8"	2	5"	1	14"	1	5"
6" x 12"	3	5"	1	9"	2	7"
8" x 8"	3	6"	1	10"	2	8"
10" x 10"	4	5"	1	7"	2	5"
12" x 12"	5	4"	2	9"	3	5"
Round Logs	Number of 2" Rods	Spacing	Number of 3" Rods	Spacing	Number of 4" Rods	Spacing
4"	1	10"	1	14"	1	14"
6"	2	9"	1	14"	1	10"
8"	2	5"	1	14"	1	5"
10"	3	5"	1	9"	2	7"
12"	5	6"	1	6"	2	5"
14"	6	5"	2	9"	3	5"
16"	7	4"	2	7"	4	5"

Caution: When drilling into structural support members, such as a joist, consult your local building code authority for restriction. Extensive drilling could result in structural weakening.